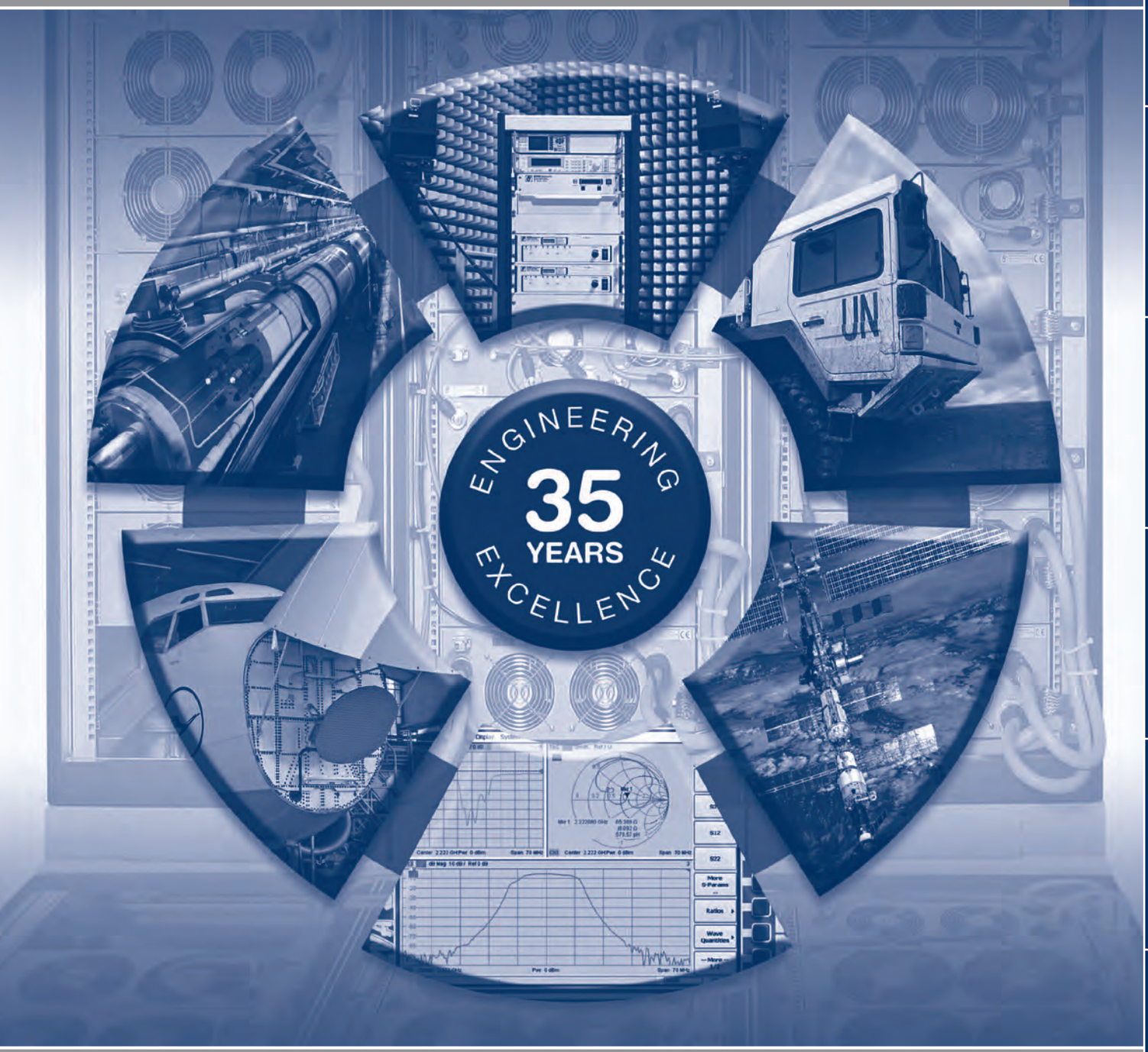
Power Amplifiers
Overview of all models

9 kHz ... 40 GHz
1 mW ... 20 kW

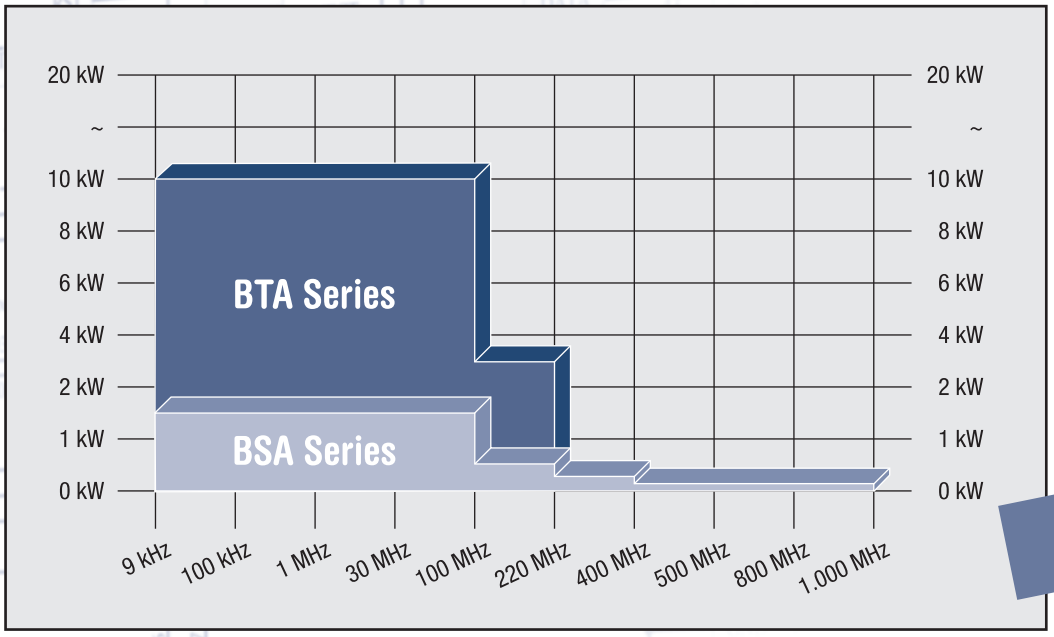


BONN Elektronik

YOUR ULTIMATE RF POWER SOURCE

BSA Solid State
BTA Broadband Hybrid
BLWA Solid State
Cellular Bands Solid State
BLMA Solid State
TWAL Travelling Wave Tube
EMI Preamplifiers
BPA / TWAP Pulsed Amplifiers

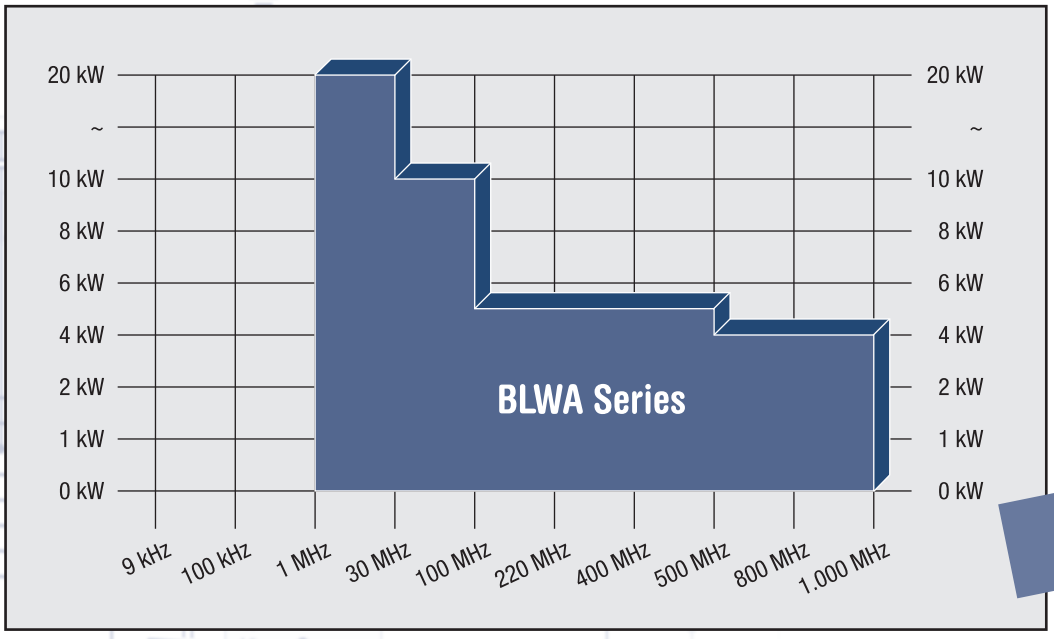
RF Power Amplifier Selection Charts



kHz

BSA Series *Page 4*
Solid State Amplifiers
9 kHz ... 1000 MHz
1 W ... 1.5 kW

BTA Series *Page 6*
Hybrid Amplifiers
9 kHz ... 220 MHz
1000 W ... 10 kW

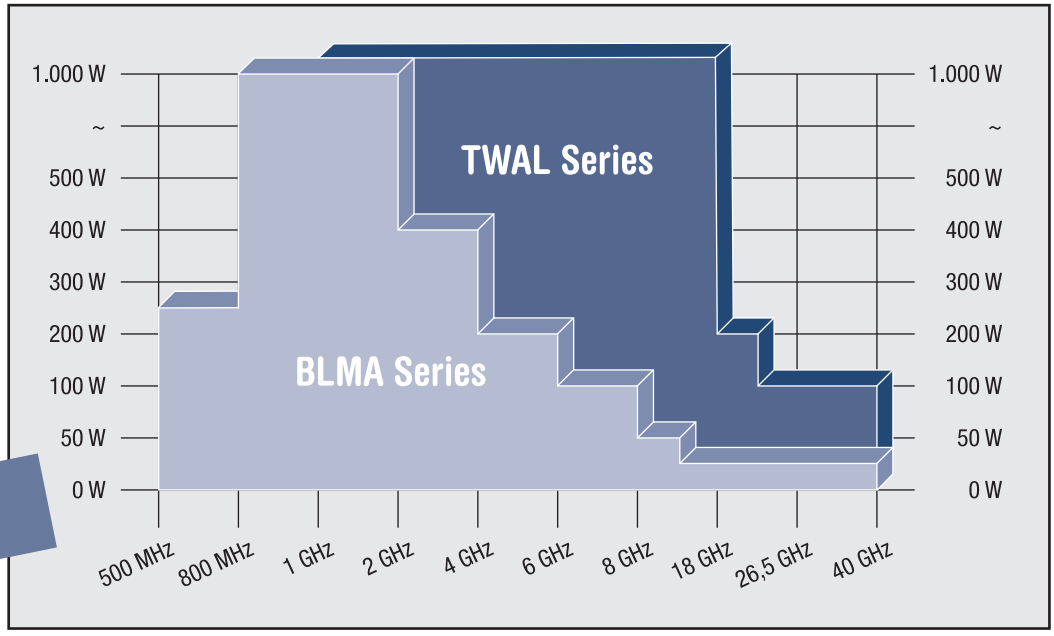


MHz

BLWA Series *Page 6*
Solid State Amplifiers
1 MHz ... 1000 (4000) MHz
1 W ... 20 kW

Cellular Bands *Page 12*
Solid State Amplifiers
800 ... 2500 MHz
10 W ... 200 W

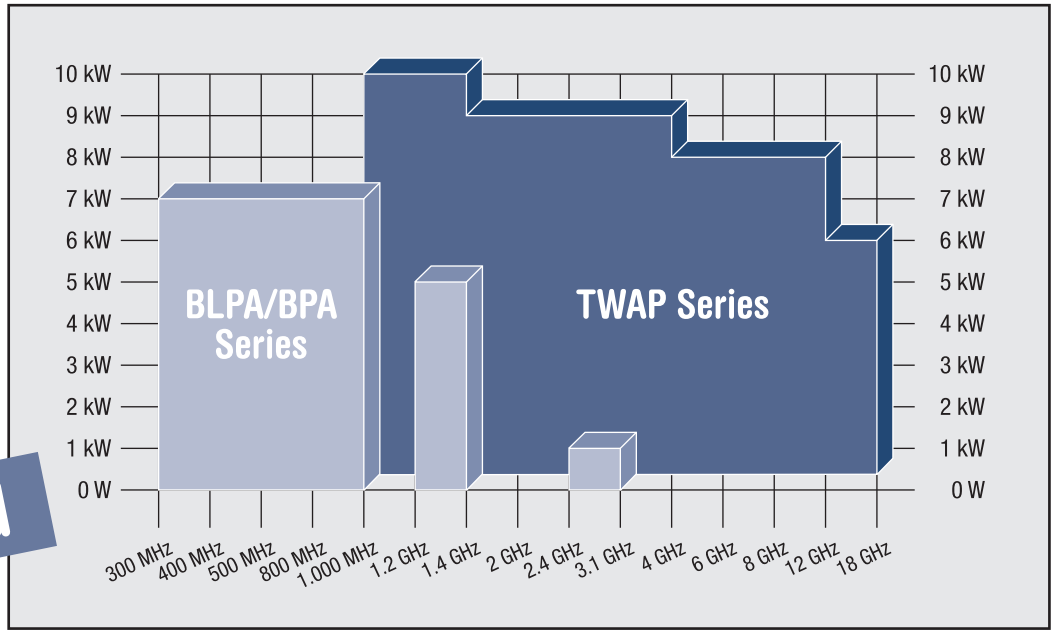
GHz



BLMA Series *Page 13*
Solid State Amplifiers
100 MHz ... 40 GHz
0.1 W ... 1 kW

TWAL Series *Page 19*
TWT Amplifiers
1 GHz ... 40 GHz
20 W ... 1 kW

Pulsed



EMI Preamplifiers *Page 21*
Amplifiers + Antennas
100 MHz ... 40 GHz
18 dB ... 50 dB Gain

BPA / TWAP Series *Page 22*
Pulsed Amplifiers
300 MHz ... 18 GHz
25 W ... 30 kW

BSA Solid State Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BSA 0110-100	9 kHz ... 100 MHz	100 / 125	50 / 52 ±2	20 / 20	600	4 HU, 550 mm	21
BSA 0110-175	9 kHz ... 100 MHz	175 / 200	52.4 / 55 ±2	20 / 20	800	4 HU, 550 mm	32
BSA 0110-350	9 kHz ... 100 MHz	350 / 400	55.4 / 58 ±2	20 / 20	1500	5 HU, 630 mm	45
BSA 0110-500	9 kHz ... 100 MHz	500 / 600	57 / 59 ±10	20 / 20	2000	5 HU, 630 mm	55
BSA 0110-600	9 kHz ... 100 MHz	700 / 700	57.8 / 60 ±10	20 / 18	2500	5 HU, 630 mm	52
BSA 0110-1500	9 kHz ... 100 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20	9000	32 HU, 630 mm	190
BSA 0125-5	9 kHz ... 250 MHz	5 / 8	37 / 39 ±2	20 / 20	100	3 HU, 350 mm	11
BSA 0125-15	9 kHz ... 250 MHz	15 / 25	41.8 / 44 ±2	20 / 20	175	3 HU, 350 mm	12
BSA 0125-25	9 kHz ... 250 MHz	25 / 30	44 / 46 ±2	20 / 20	200	3 HU, 350 mm	13
BSA 0125-75	9 kHz ... 250 MHz	75 / 100	48.8 / 51 ±2	20 / 20	350	4 HU, 550 mm	19
BSA 0125-125	9 kHz ... 250 MHz	125 / 150	51 / 53 ±2	20 / 20	550	4 HU, 550 mm	21
BSA 0125-150	9 kHz ... 250 MHz	150 / 200	51.8 / 54 ±2	20 / 18	800	4 HU, 550 mm	32
BSA 0125-200	9 kHz ... 250 MHz	200 / 220	53 / 55 ±2	20 / 20	1200	4 HU, 550 mm	34
BSA 0125-250	9 kHz ... 250 MHz	250 / 300	54 / 56 ±2	20 / 20	1400	5 HU, 630 mm	45
BSA 0125-400	9 kHz ... 250 MHz	400 / 500	56 / 58 ±2	20 / 20	2000	5 HU, 630 mm	52
BSA 0125-500	9 kHz ... 250 MHz	500 / 600	57 / 59 ±2	20 / 20	2500	5 HU, 630 mm	55
BSA 0125-1000/600	9 kHz ... 250 MHz				6500	21 HU, 630 mm	220
	9 kHz ... 100 MHz	1000 / 1200	60 / 62 ±2	20 / 20			
	200 ... 250 MHz	600 / 1000	60 / 62 ±2	20 / 20			
BSA 0140-5	9 kHz ... 400 MHz	5 / 8	37 / 39 ±2	20 / 20	100	3 HU, 350 mm	12
BSA 0140-10	9 kHz ... 400 MHz	10 / 15	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	12
BSA 0140-20	9 kHz ... 400 MHz	20 / 25	43 / 45 ±2	20 / 20	180	3 HU, 350 mm	13
BSA 0140-40	9 kHz ... 400 MHz	40 / 50	46 / 48 ±2	20 / 20	350	4 HU, 550 mm	24
BSA 0140-75	9 kHz ... 400 MHz	75 / 100	48.8 / 51 ±2	20 / 20	750	4 HU, 550 mm	32
BSA 0140-150	9 kHz ... 400 MHz	150 / 200	51.8 / 54 ±2	20 / 20	1400	5 HU, 630 mm	42
BSA 0140-500/150	9 kHz ... 400 MHz				2500	5 HU, 630 mm	54
	9 kHz ... 250 MHz	500 / 600	57 / 59 ±2	20 / 20			
	250 ... 400 MHz	150 / 180	51.8 / 54 ±2	20 / 20			
BSA 0140-500D	9 kHz ... 400 MHz				2800	9 HU, 630 mm	85
	9 kHz ... 100 MHz	500 / 600	57 / 59 ±2	20 / 20			
	100 ... 400 MHz	500 / 600	57 / 59 ±2	20 / 20			
BSA 0150-5	9 kHz ... 500 MHz	5 / 8	37 / 39 ±2	20 / 20	100	3 HU, 350 mm	11
BSA 0150-10	9 kHz ... 500 MHz	10 / 12	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	12
BSA 0150-25	9 kHz ... 500 MHz	25 / 30	44 / 46 ±2	20 / 20	200	3 HU, 350 mm	13
BSA 0150-75	9 kHz ... 500 MHz	75 / 90	48.8 / 51 ±2	20 / 20	750	4 HU, 550 mm	35
BSA 0150-150D	9 kHz ... 500 MHz				900	5 HU, 630 mm	44
	9 kHz ... 250 MHz	150 / 180	51.8 / 54 ±2	20 / 20			
	200 ... 500 MHz	150 / 180	51.8 / 54 ±2	20 / 20			
BSA 0101-5	9 kHz ... 1000 MHz	5 / 8	37 / 39 ±2	20 / 20	100	3 HU, 350 mm	11
BSA 0101-7.5	9 kHz ... 1000 MHz	7.5 / 10	38.8 / 41 ±2	20 / 20	100	3 HU, 350 mm	12
BSA 0101-25/30D	9 kHz ... 1000 MHz				180	3 HU, 550 mm	18
	9 kHz ... 250 MHz	25 / 30	44 / 46 ±1	20 / 20			
	200 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20			
BSA 0101-75/60D	9 kHz ... 1000 MHz				450	4 HU, 550 mm	28
	9 kHz ... 250 MHz	75 / 100	48.8 / 51 ±2	20 / 20			
	200 ... 1000 MHz	60 / 75	47.8 / 50 ±2	20 / 20			
BSA 0101-100D	9 kHz ... 1000 MHz				700	4 HU, 630 mm	38
	9 kHz ... 100 MHz	100 / 120	50 / 52 ±2	20 / 20			
	100 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
BSA 0101-150/120D	9 kHz ... 1000 MHz				900	5 HU, 630 mm	42
	9 kHz ... 250 MHz	150 / 180	51.8 / 54 ±2	20 / 18			
	200 ... 1000 MHz	120 / 130	50.8 / 53 ±2	20 / 20			

BSA Solid State Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BSA 1010-10	100 kHz ... 100 MHz	10 / 15	40 / 42 ±2	20 / 20	120	3 HU, 350 mm	11
BSA 1010-25	100 kHz ... 100 MHz	25 / 35	44 / 46 ±2	20 / 20	180	3 HU, 350 mm	13
BSA 1010-50	100 kHz ... 100 MHz	50 / 70	47 / 49 ±2	20 / 20	240	3 HU, 350 mm	13
BSA 1010-100	100 kHz ... 100 MHz	100 / 120	50 / 52 ±2	20 / 20	400	4 HU, 550 mm	21
BSA 1010-200	100 kHz ... 100 MHz	200 / 250	53 / 55 ±2	20 / 20	800	4 HU, 550 mm	30
BSA 1010-500	100 kHz ... 100 MHz	500 / 600	57 / 59 ±2	20 / 18	2000	5 HU, 630 mm	45
BSA 1010-1500	100 kHz ... 100 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20	9000	32 HU, 630 mm	190
BSA 1025-90	100 kHz ... 250 MHz	90 / 110	49.5 / 52 ±2	20 / 18	400	4 HU, 550 mm	21
BSA 1025-150	100 kHz ... 250 MHz	150 / 180	51.8 / 54 ±2	20 / 20	800	4 HU, 550 mm	30
BSA 1025-375	100 kHz ... 250 MHz	375 / 450	55.7 / 58 ±2	20 / 18	1800	5 HU, 630 mm	44
BSA 1040-50	100 kHz ... 400 MHz	50 / 70	47 / 49 ±2	20 / 20	400	4 HU, 550 mm	19
BSA 1040-100	100 kHz ... 400 MHz	100 / 120	50 / 52 ±2	20 / 20	700	4 HU, 550 mm	30
BSA 1040-250	100 kHz ... 400 MHz	250 / 300	54 / 56 ±2	20 / 20	1700	5 HU, 630 mm	42
BSA 1040-500/200D	100 kHz ... 400 MHz				2800	9 HU, 630 mm	80
	100 kHz ... 100 MHz	500 / 600	57 / 59 ±2	20 / 18			
	100 ... 400 MHz	200 / 250	53 / 55 ±2	20 / 15			
BSA 1050-75	100 kHz ... 500 MHz	75 / 90	48.8 / 51 ±2	20 / 20	800	4 HU, 550 mm	322
BSA 1050-150	100 kHz ... 500 MHz	150 / 175	51.8 / 52 ±2	20 / 20	1500	5 HU, 630 mm	42
BSA 1050-250/100	100 kHz ... 500 MHz				1700	5 HU, 630 mm	45
	100 kHz ... 400 MHz	250 / 300	54 / 56 ±2	20 / 20			
	400 ... 500 MHz	150 / 180	51.8 / 52 ±2	20 / 20			
BSA 1001-25/30D	100 kHz ... 1000 MHz				180	3 HU, 550 mm	18
	100 kHz ... 100 MHz	25 / 30	44 / 46 ±2	20 / 20			
	100 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20			
BSA 1001-50/75D	100 kHz ... 1000 MHz				600	4 HU, 550 mm	34
	100 kHz ... 400 MHz	50 / 70	47 / 49 ±2	20 / 20			
	400 ... 1000 MHz	75 / 100	48.8 / 51 ±2	20 / 20			
BSA 1001-100D	100 kHz ... 1000 MHz				800	4 HU, 550 mm	36
	100 kHz ... 400 MHz	100 / 120	50 / 52 ±2	20 / 20			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
BSA 1515-25	150 kHz ... 150 MHz	25 / 35	44 / 46 ±2	20 / 20	200	3 HU, 350 mm	12
BSA 1515-50	150 kHz ... 150 MHz	50 / 75	47 / 49 ±2	20 / 20	250	3 HU, 350 mm	14
BSA 1501-1	150 kHz ... 1000 MHz	1 / 1.5	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BSA 1501-5	150 kHz ... 1000 MHz	5 / 7	37 / 39 ±2	20 / 20	100	3 HU, 350 mm	11
BSA 1501-10	150 kHz ... 1000 MHz	10 / 12	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	12
BSA 5001-1	500 kHz ... 1000 MHz	1 / 1.5	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BSA 5001-2	500 kHz ... 1000 MHz	2 / 2.5	33 / 35 ±2	20 / 20	75	3 HU, 350 mm	11
BSA 5001-5	500 kHz ... 1000 MHz	5 / 7	37 / 39 ±2	18 / 20	100	3 HU, 350 mm	11
BSA 5001-10	500 kHz ... 1000 MHz	10 / 12	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	12

BTA — Hybrid Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power kVA	Dimensions (H, D) 19"-System	Weight kg
BTA 0110-5000	9 kHz ... 100 MHz	5000 / 6000	67 / 70 ±3	12 / 18	75	2x37 HU, 800 mm	900
BTA 0110-10000	9 kHz ... 100 MHz	10000 / 12000	70 / 73 ±3	12 / 18	100	2x37 HU, 800 mm	1100
BTA 0122-1000	9 kHz ... 220 MHz	1000 / 1200	60 / 63 ±3	12 / 18	12	15 HU, 800 mm	180
BTA 0122-2000	9 kHz ... 220 MHz	2000 / 2200	63 / 66 ±3	12 / 18	25	18 HU, 800 mm	220
BTA 0122-3000	9 kHz ... 220 MHz	3000 / 3300	64.8 / 67.5 ±2.5	12 / 18	25	32 HU, 800 mm	300

BLWA — Solid State Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLWA 0103-100	1 ... 30 MHz	100 / 120	50 / 52 ±2	20 / 12	500	4 HU, 550 mm	21
BLWA 0103-250	1 ... 30 MHz	250 / 300	54 / 56 ±2	20 / 12	800	4 HU, 550 mm	22
BLWA 0103-500	1 ... 30 MHz	500 / 600	57 / 59 ±2	20 / 12	2500	4 HU, 630 mm	45
BLWA 0103-1000	1 ... 30 MHz	1000 / 1200	60 / 62 ±2	20 / 12	4500	7 HU, 630 mm	80
BLWA 0103-2000	1 ... 30 MHz	2000 / 2200	63 / 65 ±2	20 / 12	10000	8 HU, 630 mm	100
BLWA 0103-3500	1 ... 30 MHz	3500 / 4000	65.4 / 68 ±2	20 / 12	13000	15 HU, 630 mm	150
BLWA 0103-5000	1 ... 30 MHz	5000 / 6000	67 / 69 ±2	20 / 12	25000	36 HU, 800 mm	500
BLWA 0103-10000	1 ... 30 MHz	10000 / 12000	70 / 72 ±2	20 / 12	60000	2x37 HU, 800 mm	1000
BLWA 0103-20000	1 ... 30 MHz	20000 / 22000	73 / 75 ±2	20 / 12	120000	4x37 HU, 800 mm	2000
BLWA 0150-2	1 ... 500 MHz	2 / 2.5	33 / 35 ±2	20 / 20	75	3 HU, 350 mm	11
BLWA 0150-5	1 ... 500 MHz	5 / 6	37 / 39 ±2	20 / 20	100	3 HU, 350 mm	11
BLWA 0150-10	1 ... 500 MHz	10 / 12	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	12
BLWA 0150-25	1 ... 500 MHz	25 / 30	44 / 46 ±2	20 / 20	180	3 HU, 350 mm	13
BLWA 0110-1	1 ... 1000 MHz	1 / 1.5	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLWA 0110-3	1 ... 1000 MHz	3 / 3.5	34.8 / 37 ±2	20 / 20	100	3 HU, 350 mm	11
BLWA 0110-5	1 ... 1000 MHz	5 / 6	37 / 39 ±2	20 / 20	150	3 HU, 350 mm	12
BLWA 0110-10	1 ... 1000 MHz	10 / 12	40 / 42 ±2	20 / 20	200	3 HU, 350 mm	13
BLWA 0110-30	1 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20	700	4 HU, 550 mm	25
BLWA 0110-100	1 ... 1000 MHz	100 / 110	50 / 20 ±2	20 / 20	1400	4 HU, 630 mm	35
BLWA 0210-100	20 ... 100 MHz	100 / 120	50 / 52 ±2	20 / 15	450	4 HU, 550 mm	20
BLWA 0210-200	20 ... 100 MHz	200 / 250	53 / 55 ±2	20 / 15	800	4 HU, 550 mm	30
BLWA 0210-500	20 ... 100 MHz	500 / 600	57 / 59 ±2	20 / 15	1800	4 HU, 630 mm	35
BLWA 0210-1000	20 ... 100 MHz	1000 / 1200	60 / 62 ±2	20 / 15	5000	8 HU, 630 mm	100
BLWA 0210-1250	20 ... 100 MHz	1250 / 1400	61 / 63 ±2	20 / 15	7500	8 HU, 630 mm	150
BLWA 0210-1800	20 ... 100 MHz	1800 / 2000	62.5 / 65 ±2	20 / 15	12000	12 HU, 630 mm	200
BLWA 0210-2500	20 ... 100 MHz	2500 / 2700	64 / 66 ±2	20 / 15	12000	12 HU, 630 mm	200
BLWA 0210-3000	20 ... 100 MHz	3000 / 3300	64.8 / 67 ±2	20 / 15	20000	18 HU, 630 mm	300
BLWA 0210-4000	20 ... 100 MHz	4000 / 4500	66 / 68 ±2	20 / 15	23000	24 HU, 630 mm	400
BLWA 0210-5000	20 ... 100 MHz	5000 / 5500	67 / 69 ±2	20 / 15	30000	36 HU, 800 mm	500
BLWA 0210-10000	20 ... 100 MHz	10000 / 11000	70 / 72 ±2	20 / 15	60000	2x36 HU, 800 mm	1000

BLWA Solid State Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLWA 0213-100	20 ... 130 MHz	100 / 120	50 / 52 ±2	20 / 15	450	4 HU, 550 mm	20
BLWA 0213-200	20 ... 130 MHz	200 / 250	53 / 55 ±2	20 / 15	800	4 HU, 550 mm	30
BLWA 0213-500	20 ... 130 MHz	500 / 600	57 / 59 ±2	20 / 15	1800	4 HU, 630 mm	35
BLWA 0213-1000	20 ... 130 MHz	1000 / 1200	60 / 62 ±2	20 / 15	5000	8 HU, 630 mm	100
BLWA 0213-1250	20 ... 130 MHz	1250 / 1400	61 / 63 ±2	20 / 15	7500	8 HU, 630 mm	150
BLWA 0213-1800	20 ... 130 MHz	1800 / 2000	62.5 / 65 ±2	20 / 15	12000	12 HU, 630 mm	200
BLWA 0213-2500	20 ... 130 MHz	2500 / 2700	64 / 66 ±2	20 / 15	12000	12 HU, 630 mm	200
BLWA 0213-3000	20 ... 130 MHz	3000 / 3300	64.8 / 67 ±2	20 / 15	20000	18 HU, 630 mm	300
BLWA 0213-4000	20 ... 130 MHz	4000 / 4500	66 / 68 ±2	20 / 15	23000	24 HU, 630 mm	400
BLWA 0213-5000	20 ... 130 MHz	5000 / 5500	67 / 69 ±2	20 / 12	30000	36 HU, 800 mm	500
BLWA 0213-10000	20 ... 130 MHz	10000 / 11000	70 / 72 ±2	20 / 12	60000	2x36 HU, 800 mm	1000
BLWA 0250-15	20 ... 500 MHz	15 / 18	41.8 / 44 ±2	20 / 15	250	3 HU, 350 mm	12
BLWA 0250-35	20 ... 500 MHz	35 / 40	45.4 / 48 ±2	20 / 20	280	3 HU, 350 mm	13
BLWA 0250-60	20 ... 500 MHz	60 / 70	47.8 / 50 ±2	20 / 15	500	4 HU, 550 mm	30
BLWA 0250-85	20 ... 500 MHz	85 / 100	49.3 / 52 ±2	20 / 15	500	4 HU, 550 mm	30
BLWA 0250-125	20 ... 500 MHz	125 / 135	51 / 53 ±2	20 / 15	1000	4 HU, 550 mm	35
BLWA 0250-200	20 ... 500 MHz	200 / 300	53 / 55 ±2	20 / 20	1250	5 HU, 630 mm	40
BLWA 0250-400	20 ... 500 MHz	400 / 600	56 / 58 ±2	20 / 20	2500	5 HU, 630 mm	45
BLWA 0250-500D	20 ... 500 MHz				4000	8 HU, 630 mm	80
	20 ... 100 MHz	500 / 600	57 / 59 ±2	20 / 15			
	100 ... 500 MHz	500 / 600	57 / 59 ±2	20 / 15			
BLWA 0250-750	20 ... 500 MHz	750 / 1000	58.8 / 61 ±2	20 / 15	5000	8 HU, 630 mm	75
BLWA 0310-1	25 ... 1000 MHz	1 / 1.5	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLWA 0310-3	25 ... 1000 MHz	3 / 3.5	34.8 / 37 ±2	20 / 20	100	3 HU, 350 mm	11
BLWA 0310-5	25 ... 1000 MHz	5 / 6	37 / 39 ±2	20 / 20	150	3 HU, 350 mm	11
BLWA 0310-10	25 ... 1000 MHz	10 / 12	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	13
BLWA 0310-30	25 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20	200	3 HU, 350 mm	13
BLWA 0310-50	25 ... 1000 MHz	50 / 60	47 / 49 ±2	20 / 20	400	4 HU, 550 mm	22
BLWA 0310-100	25 ... 1000 MHz	100 / 110	50 / 52 ±2	20 / 20	900	4 HU, 550 mm	26
BLWA 0310-150	25 ... 1000 MHz	150 / 170	51.8 / 54 ±2	20 / 20	1500	5 HU, 630 mm	40
BLWA 0310-350/160/100D	25 ... 1000 MHz				1000	8 HU, 550 mm	60
	25 ... 100 MHz	350 / 400	55.4 / 58 ±2	20 / 15			
	100 ... 400 MHz	160 / 180	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
BLWA 0510-1	47 ... 1000 MHz	1 / 1.5	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLWA 0510-3	47 ... 1000 MHz	3 / 3.5	34.8 / 37 ±2	20 / 20	100	3 HU, 350 mm	11
BLWA 0510-5	47 ... 1000 MHz	5 / 6	37 / 39 ±2	20 / 20	150	3 HU, 350 mm	11
BLWA 0510-10	47 ... 1000 MHz	10 / 12	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	13
BLWA 0510-30	47 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20	200	3 HU, 350 mm	13
BLWA 0510-50	47 ... 1000 MHz	50 / 60	47 / 49 ±2	20 / 20	400	4 HU, 550 mm	22
BLWA 0510-100	47 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20	900	4 HU, 550 mm	26
BLWA 0510-150	47 ... 1000 MHz	150 / 180	51.8 / 54 ±2	20 / 20	1500	5 HU, 630 mm	40
BLWA 0510-350/160/100D	47 ... 1000 MHz				1000	8 HU, 550 mm	60
	47 ... 100 MHz	350 / 400	55.4 / 58 ±2	20 / 15			
	100 ... 400 MHz	160 / 180	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
BLWA 0840-150	80 ... 400 MHz	150 / 180	51.8 / 54 ±2	20 / 15	800	3 HU, 550 mm	30
BLWA 0840-250	80 ... 400 MHz	250 / 300	54 / 56 ±2	20 / 15	1600	4 HU, 630 mm	35
BLWA 0840-500	80 ... 400 MHz	500 / 600	57 / 59 ±2	20 / 15	3000	6 HU, 630 mm	55
BLWA 0840-750	80 ... 400 MHz	750 / 900	58.8 / 61 ±2	20 / 15	4500	8 HU, 630 mm	120
BLWA 0840-1000	80 ... 400 MHz	1000 / 1150	60 / 62 ±2	20 / 15	8000	16 HU, 630 mm	180
BLWA 0840-1500	80 ... 400 MHz	1500 / 1700	61.8 / 64 ±2	20 / 15	10000	19 HU, 630 mm	200
BLWA 0840-2000	80 ... 400 MHz	2000 / 2200	63 / 65 ±2	20 / 15	17000	29 HU, 630 mm	300
BLWA 0840-3000	80 ... 400 MHz	3000 / 3300	64.8 / 67 ±2	20 / 15	20000	41 HU, 630 mm	400
BLWA 0840-4000	80 ... 400 MHz	4000 / 4400	66 / 68 ±2	20 / 15	35000	2x32 HU, 800 mm	600
BLWA 0840-5000	80 ... 400 MHz	5000 / 5500	67 / 69 ±2	20 / 15	45000	2x32 HU, 800 mm	800

BLWA Solid State Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLWA 0810-10	80 ... 1000 MHz	10 / 12	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	13
BLWA 0810-30	80 ... 1000 MHz	30 / 35	44.8 / 47 ±2	20 / 20	200	3 HU, 350 mm	13
BLWA 0810-50	80 ... 1000 MHz	50 / 60	47 / 49 ±2	20 / 20	400	4 HU, 550 mm	20
BLWA 0810-100	80 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20	900	4 HU, 550 mm	26
BLWA 0810-160/100D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 160 / 180 100 / 120	 52 / 54 ±2 50 / 52 ±2	 20 / 15 20 / 20	800	4 HU, 550 mm	32
BLWA 0810-200	80 ... 1000 MHz	200 / 250	53 / 55 ±2	20 / 20	1500	5 HU, 630 mm	42
BLWA 0810-250/100	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 250 / 280 100 / 150	 54 / 56 ±2 50 / 52 ±2	 20 / 20 20 / 20	1500	5 HU, 630 mm	40
BLWA 0810-250/200	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 250 / 300 200 / 250	 54 / 56 ±2 53 / 55 ±2	 20 / 20 20 / 20	1500	5 HU, 630 mm	40
BLWA 0810-350	80 ... 1000 MHz	350 / 400	55.4 / 58 ±2	20 / 20	3100	9 HU, 630 mm	90
BLWA 0810-500/200D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 500 / 600 200 / 220	 57 / 59 ±2 53 / 55 ±2	 20 / 15 20 / 20	3300	9 HU, 630 mm	85
BLWA 0810-500/350D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 500 / 600 350 / 400	 57 / 59 ±2 55.4 / 58 ±2	 20 / 15 20 / 20	3300	12 HU, 630 mm	95
BLWA 0810-500D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 500 / 600 500 / 600	 57 / 59 ±2 57 / 59 ±2	 20 / 15 20 / 20	3800	10 HU, 630 mm	95
BLWA 0810-650	80 ... 1000 MHz	650 / 750	58.1 / 61 ±2	20 / 20	7000	20 HU, 630 mm	250
BLWA 0810-750/350D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 750 / 850 350 / 400	 58.8 / 61 ±2 55.4 / 58 ±2	 20 / 15 20 / 20	5000	13 HU, 630 mm	140
BLWA 0810-750/500D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 750 / 850 500 / 600	 58.8 / 61 ±2 57 / 59 ±2	 20 / 15 20 / 20	5000	13 HU, 630 mm	145
BLWA 0810-750/700D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 750 / 850 700 / 850	 58.8 / 61 ±2 58.4 / 61 ±2	 20 / 15 20 / 20	5000	15 HU, 630 mm	145
BLWA 0810-1000/500D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 1000 / 1150 500 / 600	 60 / 62 ±2 57 / 59 ±2	 20 / 15 20 / 20	9000	21 HU, 630 mm	220
BLWA 0810-1000/700D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 1000 / 1150 700 / 850	 60 / 62 ±2 58.4 / 61 ±2	 20 / 15 20 / 20	9000	21 HU, 630 mm	220
BLWA 0810-1000D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 1000 / 1150 1000 / 1150	 60 / 62 ±2 60 / 62 ±2	 20 / 15 20 / 20	9000	21 HU, 630 mm	220
BLWA 0810-1500/700D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 1500 / 1700 700 / 850	 61.8 / 64 ±2 58.4 / 61 ±2	 20 / 15 20 / 20	11000	24 HU, 630 mm	270
BLWA 0810-1500/1000D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 1500 / 1700 1000 / 1150	 61.8 / 64 ±2 60 / 62 ±2	 20 / 15 20 / 20	11000	32 HU, 630 mm	400
BLWA 0810-1500D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 1500 / 1700 1500 / 1700	 61.8 / 64 ±2 61.8 / 64 ±2	 20 / 15 20 / 20	11000	37 HU, 630 mm	450
BLWA 0810-2000/1000D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 2000 / 2200 1000 / 1150	 63 / 65 ±2 60 / 62 ±2	 20 / 15 20 / 20	18000	2x32 HU, 800 mm	550
BLWA 0810-2000/1500D	80 ... 1000 MHz 80 ... 400 MHz 400 ... 1000 MHz	 2000 / 2200 1500 / 1700	 63 / 65 ±2 61.8 / 64 ±2	 20 / 15 20 / 20	18000	2x32 HU, 800 mm	600

BLWA — Solid State Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLWA 0810-2000D	80 ... 1000 MHz				18000	2x32 HU, 800 mm	600
	80 ... 400 MHz	2000 / 2200	63 / 65 ±2	20 / 15			
	400 ... 1000 MHz	2000 / 2200	63 / 65 ±2	20 / 20			
BLWA 0810-5000/3000D	80 ... 1000 MHz				45000	2x37 HU, 800 mm	1200
	80 ... 400 MHz	5000 / 5500	67 / 69 ±2	20 / 15			
	400 ... 1000 MHz	3000 / 3500	65 / 67 ±2	20 / 20			
BLWA 0820-160/100/30D	80 ... 2000 MHz				800	5 HU, 630 mm	36
	80 ... 400 MHz	160 / 180	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
	1 ... 2 GHz	30 / 35	47.8 / 50 ±2	20 / 20			
BLWA 0820-160/100/60D	80 ... 2000 MHz				800	5 HU, 630 mm	38
	80 ... 400 MHz	160 / 180	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
	1 ... 2 GHz	60 / 70	47.8 / 50 ±2	20 / 20			
BLWA 0825-160/100/35D	80 MHz ... 2.5 GHz				800	5 HU, 630 mm	38
	80 ... 400 MHz	160 / 180	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
	1 ... 2.5 GHz	35 / 40	45.4 / 48 ±2	20 / 20			
BLWA 0825-160/100/70D	80 MHz ... 2.5 GHz				800	6 HU, 630 mm	54
	80 ... 400 MHz	160 / 180	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
	1 ... 2.5 GHz	70 / 80	48.5 / 51 ±2	20 / 20			
BLWA 0830-10D	80 ... 3000 MHz				220	3 HU, 550 mm	17
	80 ... 1000 MHz	10 / 15	40 / 42 ±2	20 / 20			
	1000 ... 3000 MHz	10 / 15	40 / 42 ±2	15 / 20			
BLWA 0830-30/20D	80 ... 3000 MHz				250	3 HU, 630 mm	21
	80 ... 1000 MHz	30 / 35	44.8 / 57 ±2	20 / 20			
	1000 ... 3000 MHz	20 / 25	43 / 45 ±2	20 / 20			
BLWA 0830-160/100/20D	80 ... 3000 MHz				800	5 HU, 630 mm	38
	80 ... 400 MHz	160 / 180	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
	1000 ... 3000 MHz	20 / 25	43 / 45 ±2	20 / 20			
BLWA 0830-160/100/40D	80 ... 3000 MHz				800	5 HU, 630 mm	40
	80 ... 400 MHz	160 / 180	52 / 54 ±2	20 / 15			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
	1000 ... 3000 MHz	40 / 50	46 / 48 ±2	15 / 20			
BLWA 0830-250/100/40D	80 ... 3000 MHz				1600	6 HU, 630 mm	65
	80 ... 400 MHz	250 / 300	54 / 56 ±2	20 / 15			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
	1000 ... 3000 MHz	40 / 50	46 / 48 ±2	15 / 20			
BLWA 0830-250/200/40D	80 ... 3000 MHz				1600	6 HU, 630 mm	65
	80 ... 400 MHz	250 / 300	54 / 56 ±2	20 / 15			
	400 ... 1000 MHz	200 / 240	53 / 55 ±2	20 / 20			
	1000 ... 3000 MHz	40 / 50	46 / 48 ±2	15 / 20			
BLWA 0840-160/100/60/30D	80 MHz ... 4 GHz				800	6 HU, 630 mm	62
	80 ... 400 MHz	160 / 180	54 / 56 ±2	20 / 15			
	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20			
	1 ... 2 GHz	60 / 70	47.8 / 50 ±2	20 / 20			
	2 ... 4 GHz	30 / 35	44.8 / 47 ±2	20 / 20			

BLWA — Solid State Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLWA 1050-150	100 ... 500 MHz	150 / 180	51.8 / 54 ±2	20 / 15	800	4 HU, 550 mm	30
BLWA 1050-250	100 ... 500 MHz	250 / 300	54 / 56 ±2	20 / 15	1500	4 HU, 550 mm	35
BLWA 1050-500	100 ... 500 MHz	500 / 600	57 / 59 ±2	20 / 15	3000	6 HU, 630 mm	55
BLWA 1050-750	100 ... 500 MHz	750 / 900	58.8 / 61 ±2	20 / 15	4500	8 HU, 630 mm	120
BLWA 1050-1000	100 ... 500 MHz	1000 / 1150	60 / 62 ±2	20 / 15	8000	16 HU, 630 mm	180
BLWA 1050-1500	100 ... 500 MHz	1500 / 1700	61.8 / 64 ±2	20 / 15	10000	21 HU, 630 mm	200
BLWA 1050-2000	100 ... 500 MHz	2000 / 2200	63 / 65 ±2	20 / 15	17000	29 HU, 630 mm	300
BLWA 1050-2500	100 ... 500 MHz	2500 / 2700	64 / 66 ±2	20 / 15	20000	41 HU, 630 mm	400
BLWA 1050-4000	100 ... 500 MHz	4000 / 4400	66 / 68 ±2	20 / 15	35000	2x32 HU, 800 mm	600
BLWA 1050-5000	100 ... 500 MHz	5000 / 5500	67 / 69 ±2	20 / 15	45000	2x32 HU, 800 mm	800
BLWA 2050-150	200 ... 500 MHz	150 / 180	51.8 / 54 ±2	20 / 20	700	4 HU, 550 mm	30
BLWA 2050-300	200 ... 500 MHz	300 / 330	54.8 / 57 ±2	20 / 20	1500	4 HU, 630 mm	35
BLWA 2050-500	200 ... 500 MHz	500 / 600	57 / 59 ±2	20 / 20	2500	5 HU, 630 mm	43
BLWA 2050-750	200 ... 500 MHz	750 / 850	58.8 / 61 ±2	20 / 20	4000	6 HU, 630 mm	80
BLWA 2050-1000	200 ... 500 MHz	1000 / 1150	60 / 62 ±2	20 / 20	6000	8 HU, 630 mm	120
BLWA 2050-1500	200 ... 500 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20	8000	16 HU, 630 mm	180
BLWA 2050-2000	200 ... 500 MHz	2000 / 2200	63 / 65 ±2	20 / 20	10000	19 HU, 630 mm	200
BLWA 2050-2500	200 ... 500 MHz	2500 / 2700	64 / 66 ±2	20 / 20	17000	29 HU, 630 mm	300
BLWA 2050-3500	200 ... 500 MHz	3500 / 4000	65.4 / 68 ±2	20 / 20	20000	41 HU, 630 mm	400
BLWA 2050-4500	200 ... 500 MHz	4500 / 5000	65.5 / 68 ±2	20 / 20	35000	2x32 HU, 800 mm	600
BLWA 2050-6000	200 ... 500 MHz	6000 / 6500	67.8 / 70 ±2	20 / 20	45000	2x32 HU, 800 mm	600
BLWA 2010-10	200 ... 1000 MHz	10 / 13	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	13
BLWA 2010-30	200 ... 1000 MHz	30 / 40	44.8 / 47 ±2	20 / 20	200	3 HU, 350 mm	13
BLWA 2010-40	200 ... 1000 MHz	40 / 45	46 / 48 ±2	20 / 20	300	3 HU, 350 mm	13
BLWA 2010-60	200 ... 1000 MHz	60 / 70	47.8 / 50 ±2	20 / 20	400	4 HU, 550 mm	22
BLWA 2010-125	200 ... 1000 MHz	125 / 140	51 / 53 ±2	20 / 15	700	4 HU, 550 mm	25
BLWA 2010-250	200 ... 1000 MHz	250 / 300	54 / 56 ±2	20 / 15	1500	5 HU, 630 mm	40
BLWA 2010-400	200 ... 1000 MHz	400 / 450	56 / 58 ±2	20 / 15	3100	9 HU, 630 mm	90
BLWA 2010-500/350D	200 ... 1000 MHz				3300	9 HU, 630 mm	95
	200 ... 500 MHz	500 / 600	57 / 59 ±2	20 / 20			
	500 ... 1000 MHz	350 / 400	55.4 / 58 ±2	20 / 20			
BLWA 2010-500D	200 ... 1000 MHz				3800	10 HU, 630 mm	95
	200 ... 500 MHz	500 / 600	57 / 59 ±2	20 / 20			
	500 ... 1000 MHz	500 / 600	57 / 59 ±2	20 / 20			
BLWA 2010-750/350D	200 ... 1000 MHz				5000	13 HU, 630 mm	135
	200 ... 500 MHz	750 / 900	58.8 / 61 ±2	20 / 20			
	500 ... 1000 MHz	350 / 400	55.5 / 58 ±2	20 / 20			
BLWA 2010-750/500D	200 ... 1000 MHz				5000	13 HU, 630 mm	135
	200 ... 500 MHz	750 / 900	58.8 / 61 ±2	20 / 20			
	500 ... 1000 MHz	500 / 600	57 / 59 ±2	20 / 20			
BLWA 2010-750/700D	200 ... 1000 MHz				5000	13 HU, 630 mm	135
	200 ... 500 MHz	750 / 900	58.8 / 61 ±2	20 / 20			
	500 ... 1000 MHz	700 / 750	58.5 / 61 ±2	20 / 20			
BLWA 2010-750	200 ... 1000 MHz	750 / 850	58.8 / 61 ±2	20 / 15	7000	18 HU, 630 mm	165
BLWA 2010-1000/500D	200 ... 1000 MHz				6000	15 HU, 630 mm	140
	200 ... 500 MHz	1000 / 1150	60 / 62 ±2	20 / 20			
	500 ... 1000 MHz	500 / 600	58.5 / 61 ±2	20 / 20			
BLWA 2010-1000/700D	200 ... 1000 MHz				6000	15 HU, 630 mm	140
	200 ... 500 MHz	1000 / 1150	60 / 62 ±2	20 / 20			
	500 ... 1000 MHz	700 / 750	58.5 / 61 ±2	20 / 20			
BLWA 2010-1000D	200 ... 1000 MHz				7500	21 HU, 630 mm	190
	200 ... 500 MHz	1000 / 1150	60 / 62 ±2	20 / 20			
	500 ... 1000 MHz	1000 / 1150	60 / 62 ±2	20 / 20			
BLWA 2010-1500/700D	200 ... 1000 MHz				10000	23 HU, 630 mm	300
	200 ... 500 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20			
	500 ... 1000 MHz	700 / 750	58.5 / 61 ±2	20 / 20			

BLWA — Solid State Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLWA 2010-1500/1000D	200 ... 1000 MHz 200 ... 500 MHz 500 ... 1000 MHz	 1500 / 1700 1000 / 1150	 61.8 / 64 ±2 60 / 62 ±2	 20 / 20 20 / 20	10000	32 HU, 630 mm	350
BLWA 2010-1500D	200 ... 1000 MHz 200 ... 500 MHz 500 ... 1000 MHz	 1500 / 1700 1500 / 1700	 61.8 / 64 ±2 61.8 / 64 ±2	 20 / 20 20 / 20	10000	37 HU, 630 mm	400
BLWA 2010-2000/1000D	200 ... 1000 MHz 200 ... 500 MHz 500 ... 1000 MHz	 2000 / 2200 1000 / 1150	 61.8 / 64 ±2 60 / 62 ±2	 20 / 20 20 / 20	11000	37 HU, 630 mm	420
BLWA 2010-2000/1500D	200 ... 1000 MHz 200 ... 500 MHz 500 ... 1000 MHz	 2000 / 2200 1500 / 1700	 63 / 65 ±2 61.8 / 64 ±2	 20 / 20 20 / 20	11000	37 HU, 630 mm	450
BLWA 2010-2000D	200 ... 1000 MHz 200 ... 500 MHz 500 ... 1000 MHz	 2000 / 2200 2000 / 2200	 63 / 65 ±2 63 / 65 ±2	 20 / 20 20 / 20	11000	2x32 HU, 800 mm	600
BLWA 4010-75	400 ... 1000 MHz	75 / 100	48.8 / 51 ±2	20 / 20	500	4 HU, 550 mm	18
BLWA 4010-100	400 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20	500	4 HU, 550 mm	20
BLWA 4010-200	400 ... 1000 MHz	200 / 230	53 / 55 ±2	20 / 20	900	4 HU, 550 mm	28
BLWA 4010-250	400 ... 1000 MHz	250 / 300	54 / 56 ±2	20 / 20	1200	4 HU, 550 mm	30
BLWA 4010-350	400 ... 1000 MHz	350 / 400	55.4 / 58 ±2	20 / 20	1500	4 HU, 550 mm	32
BLWA 4010-500	400 ... 1000 MHz	500 / 600	57 / 59 ±2	20 / 20	3300	7 HU, 630 mm	55
BLWA 4010-700	400 ... 1000 MHz	700 / 750	58.5 / 61 ±2	20 / 20	3500	7 HU, 630 mm	55
BLWA 4010-1000	400 ... 1000 MHz	1000 / 1150	60 / 62 ±2	20 / 20	6000	18 HU, 630 mm	150
BLWA 4010-1250	400 ... 1000 MHz	1250 / 1300	61 / 63 ±2	20 / 20	6000	18 HU, 630 mm	150
BLWA 4010-1500	400 ... 1000 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20	12000	26 HU, 630 mm	250
BLWA 4010-2000	400 ... 1000 MHz	2000 / 2200	63 / 65 ±2	20 / 20	12000	26 HU, 630 mm	250
BLWA 4010-3000	400 ... 1000 MHz	3000 / 3300	64.8 / 67 ±2	20 / 20	22000	37 HU, 630 mm	450
BLWA 4010-4000	400 ... 1000 MHz	4000 / 4500	66 / 68 ±2	20 / 20	34000	37 HU, 630 mm	450
BLWA 5010-75	500 ... 1000 MHz	75 / 100	48.8 / 51 ±2	20 / 20	500	4 HU, 550 mm	18
BLWA 5010-100	500 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20	500	4 HU, 550 mm	20
BLWA 5010-100	500 ... 1000 MHz	100 / 120	50 / 52 ±2	20 / 20	500	4 HU, 550 mm	20
BLWA 5010-200	500 ... 1000 MHz	200 / 230	53 / 55 ±2	20 / 20	900	4 HU, 550 mm	28
BLWA 5010-250	500 ... 1000 MHz	250 / 300	54 / 56 ±2	20 / 20	1200	4 HU, 550 mm	30
BLWA 5010-350	500 ... 1000 MHz	350 / 400	55.4 / 58 ±2	20 / 20	1500	4 HU, 550 mm	32
BLWA 5010-500	500 ... 1000 MHz	500 / 600	57 / 59 ±2	20 / 20	3300	7 HU, 630 mm	55
BLWA 5010-700	500 ... 1000 MHz	700 / 750	58.5 / 61 ±2	20 / 20	3500	7 HU, 630 mm	55
BLWA 5010-1000	500 ... 1000 MHz	1000 / 1150	60 / 62 ±2	20 / 20	6000	18 HU, 630 mm	150
BLWA 5010-1250	500 ... 1000 MHz	1250 / 1300	61 / 63 ±2	20 / 20	6000	18 HU, 630 mm	150
BLWA 5010-1500	500 ... 1000 MHz	1500 / 1700	61.8 / 64 ±2	20 / 20	12000	26 HU, 630 mm	250
BLWA 5010-2000	500 ... 1000 MHz	2000 / 2200	63 / 65 ±2	20 / 20	12000	26 HU, 630 mm	250
BLWA 5010-3000	500 ... 1000 MHz	3000 / 3300	64.8 / 67 ±2	20 / 20	22000	37 HU, 630 mm	450
BLWA 5010-4000	500 ... 1000 MHz	4000 / 4500	66 / 68 ±2	20 / 20	34000	37 HU, 630 mm	450

Cellular Bands — Solid State Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLWA 8010-10	800 ... 1000 MHz	10 / 13	40 / 42 ±2	25 / 25	75	3 HU, 350 mm	12
BLWA 8010-25	800 ... 1000 MHz	25 / 30	44 / 46 ±2	25 / 25	150	3 HU, 350 mm	12
BLWA 8010-50	800 ... 1000 MHz	50 / 60	47 / 49 ±2	50 / 50	300	3 HU, 550 mm	15
BLWA 8010-90	800 ... 1000 MHz	90 / 110	49.5 / 52 ±2	50 / 50	500	3 HU, 550 mm	18
BLWA 8010-175	800 ... 1000 MHz	175 / 190	52.4 / 55 ±2	50 / 50	1200	4 HU, 630 mm	35
BLWA 8996-10	890 ... 960 MHz	10 / 13	40 / 42 ±2	25 / 25	75	3 HU, 350 mm	12
BLWA 8996-25	890 ... 960 MHz	25 / 30	44 / 46 ±2	25 / 25	150	3 HU, 350 mm	12
BLWA 8996-50	890 ... 960 MHz	50 / 60	47 / 49 ±2	50 / 50	300	3 HU, 550 mm	15
BLWA 8996-100	890 ... 960 MHz	100 / 115	50 / 52 ±2	50 / 50	500	3 HU, 550 mm	18
BLWA 8996-200	890 ... 960 MHz	200 / 220	53 / 55 ±2	50 / 50	1200	4 HU, 630 mm	35
BLWA 9396-10	930 ... 960 MHz	10 / 13	40 / 42 ±2	25 / 25	75	3 HU, 350 mm	11
BLWA 9396-25	930 ... 960 MHz	25 / 30	44 / 46 ±2	25 / 25	150	3 HU, 350 mm	12
BLWA 9396-50	930 ... 960 MHz	50 / 60	47 / 49 ±2	50 / 50	300	3 HU, 550 mm	15
BLWA 9396-100	930 ... 960 MHz	100 / 115	50 / 52 ±2	50 / 50	500	3 HU, 550 mm	18
BLWA 9396-200	930 ... 960 MHz	200 / 220	53 / 55 ±2	50 / 50	1200	4 HU, 630 mm	35
BLMA 1719-10	1.7 ... 1.9 GHz	10 / 13	40 / 42 ±2	50 / 50	75	3 HU, 350 mm	12
BLMA 1719-20	1.7 ... 1.9 GHz	20 / 25	43 / 45 ±2	50 / 50	180	3 HU, 350 mm	13
BLMA 1719-40	1.7 ... 1.9 GHz	40 / 50	46 / 48 ±2	50 / 50	500	3 HU, 550 mm	20
BLMA 1719-80	1.7 ... 1.9 GHz	80 / 100	49 / 51 ±2	50 / 50	650	4 HU, 550 mm	25
BLMA 1719-150	1.7 ... 1.9 GHz	150 / 180	51.8 / 54 ±2	50 / 50	1500	4 HU, 630 mm	40
BLMA 1820-120	1.8 ... 2 GHz	120 / 140	51 / 53 ±2	50 / 50	750	4 HU, 550 mm	27
BLMA 1822-10	1.8 ... 2.2 GHz	10 / 13	40 / 42 ±2	50 / 50	75	3 HU, 350 mm	12
BLMA 1822-20	1.8 ... 2.2 GHz	20 / 25	43 / 45 ±2	50 / 50	200	3 HU, 350 mm	14
BLMA 1822-40	1.8 ... 2.2 GHz	40 / 50	46 / 48 ±2	50 / 50	350	3 HU, 550 mm	16
BLMA 1822-100	1.8 ... 2.2 GHz	100 / 110	50 / 52 ±2	50 / 50	750	4 HU, 550 mm	27
BLMA 1822-180	1.8 ... 2.2 GHz	180 / 200	52 / 54 ±2	50 / 50	1500	4 HU, 630 mm	40
BLMA 1822-200/150	1.8 ... 2.2 GHz 1.9 ... 2.1 GHz 1.9 ... 2.2 GHz	 200 / 220 150 / 170	 53 / 55 ±2 51.8 / 54 ±2	 50 / 50 50 / 50	1500	4 HU, 630 mm	40
BLMA 1921-10	1.9 ... 2.1 GHz	10 / 13	40 / 42 ±2	50 / 50	75	3 HU, 350 mm	12
BLMA 1921-25	1.9 ... 2.1 GHz	25 / 30	44 / 46 ±2	50 / 50	200	3 HU, 350 mm	14
BLMA 1921-50	1.9 ... 2.1 GHz	50 / 60	47 / 49 ±2	50 / 50	350	3 HU, 350 mm	16
BLMA 1921-100	1.9 ... 2.1 GHz	100 / 110	50 / 52 ±2	50 / 50	650	4 HU, 550 mm	25
BLMA 1921-200	1.9 ... 2.1 GHz	200 / 210	53 / 55 ±2	50 / 50	1500	4 HU, 630 mm	40
BLMA 2021-50	2.11 ... 2.17 GHz	50 / 60	47 / 49 ±2	50 / 50	400	4 HU, 550 mm	25
BLMA 2021-100	2.11 ... 2.17 GHz	100 / 110	50 / 52 ±2	50 / 50	750	4 HU, 550 mm	28
BLMA 2021-200	2.11 ... 2.17 GHz	200 / 220	53 / 55 ±2	50 / 50	1800	4 HU, 630 mm	32
BLMA 2325-10	2.3 ... 2.5 GHz	10 / 13	40 / 42 ±2	50 / 50	80	3 HU, 350 mm	12
BLMA 2325-25	2.3 ... 2.5 GHz	25 / 30	44 / 46 ±2	50 / 50	180	3 HU, 350 mm	18
BLMA 2325-50	2.3 ... 2.5 GHz	50 / 60	47 / 49 ±2	50 / 50	400	3 HU, 550 mm	25
BLMA 2325-100	2.3 ... 2.5 GHz	100 / 110	50 / 52 ±2	50 / 50	800	3 HU, 550 mm	28
BLMA 2325-150	2.3 ... 2.5 GHz	150 / 165	51.8 / 54 ±2	50 / 50	1500	4 HU, 630 mm	45

BLMA Solid State Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLMA 0118-0.1	0.1 ... 18 GHz	0.1 / 0.15	20 / 22 ±2	15 / 20	50	3 HU, 350 mm	11
BLMA 0126-0.1	0.1 ... 26.5 GHz	0.1 / 0.15	20 / 24 ±4	15 / 20	50	3 HU, 350 mm	11
BLMA 0520-1	0.5 ... 2 GHz	1 / 1.3	30 / 32 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 0520-2	0.5 ... 2 GHz	2 / 2.2	33 / 35 ±2	20 / 20	100	3 HU, 350 mm	13
BLMA 0525-20	0.5 ... 2.5 GHz	20 / 30	43 / 45 ±2	12 / 20	150	3 HU, 350 mm	12
BLMA 0525-35	0.5 ... 2.5 GHz	35 / 50	45.4 / 48 ±2	15 / 20	300	3 HU, 350 mm	13
BLMA 0525-70	0.5 ... 2.5 GHz	70 / 100	48.4 / 51 ±2	15 / 20	500	3 HU, 550 mm	18
BLMA 0820-1	0.8 ... 2 GHz	1 / 1.3	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0820-3	0.8 ... 2 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0820-7	0.8 ... 2 GHz	7 / 8	38.5 / 41 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0820-10	0.8 ... 2 GHz	10 / 12	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	11
BLMA 0820-25	0.8 ... 2 GHz	25 / 30	44 / 46 ±2	20 / 20	200	3 HU, 350 mm	13
BLMA 0820-50	0.8 ... 2 GHz	50 / 60	47 / 49 ±2	20 / 20	350	3 HU, 550 mm	22
BLMA 0820-100	0.8 ... 2 GHz	100 / 120	50 / 52 ±2	20 / 20	700	3 HU, 630 mm	22
BLMA 0820-200	0.8 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20	1200	3 HU, 630 mm	26
BLMA 0820-400	0.8 ... 2 GHz	400 / 450	56 / 58 ±2	20 / 20	2600	6 HU, 630 mm	50
BLMA 0820-750	0.8 ... 2 GHz	750 / 900	58.8 / 61 ±2	20 / 20	6000	15 HU, 630 mm	150
BLMA 0822-1	0.8 ... 2.2 GHz	1 / 1.3	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0822-3	0.8 ... 2.2 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0822-7	0.8 ... 2.2 GHz	7 / 8	38.5 / 41 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0822-10	0.8 ... 2.2 GHz	10 / 12	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	11
BLMA 0822-25	0.8 ... 2.2 GHz	25 / 30	44 / 46 ±2	20 / 20	200	3 HU, 350 mm	11
BLMA 0822-50	0.8 ... 2.2 GHz	50 / 60	47 / 49 ±2	20 / 20	350	3 HU, 630 mm	18
BLMA 0822-100	0.8 ... 2.2 GHz	100 / 120	50 / 52 ±2	20 / 20	700	3 HU, 630 mm	22
BLMA 0822-200	0.8 ... 2.2 GHz	200 / 240	53 / 55 ±2	20 / 20	1200	3 HU, 630 mm	26
BLMA 0822-400	0.8 ... 2.2 GHz	400 / 450	56 / 58 ±2	20 / 20	2600	6 HU, 630 mm	50
BLMA 0822-750	0.8 ... 2.2 GHz	750 / 900	58.8 / 61 ±2	20 / 20	6000	15 HU, 630 mm	150
BLMA 0825-1	0.8 ... 2.5 GHz	1 / 1.3	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0825-3	0.8 ... 2.5 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0825-5	0.8 ... 2.5 GHz	5 / 6	37 / 39 ±2	20 / 20	75	3 HU, 350 mm	12
BLMA 0825-10	0.8 ... 2.5 GHz	10 / 13	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	13
BLMA 0825-20	0.8 ... 2.5 GHz	20 / 25	43 / 45 ±2	20 / 20	250	3 HU, 350 mm	13
BLMA 0825-40	0.8 ... 2.5 GHz	40 / 50	46 / 48 ±2	20 / 20	350	3 HU, 630 mm	18
BLMA 0825-75	0.8 ... 2.5 GHz	75 / 90	48.8 / 51 ±2	20 / 20	800	3 HU, 630 mm	22
BLMA 0825-150	0.8 ... 2.5 GHz	150 / 180	51.8 / 54 ±2	20 / 20	1200	3 HU, 630 mm	26
BLMA 0825-200	0.8 ... 2.5 GHz	200 / 220	53 / 55 ±2	20 / 20	1600	4 HU, 630 mm	35
BLMA 0825-300	0.8 ... 2.5 GHz	300 / 350	54.8 / 57 ±2	20 / 20	2400	6 HU, 630 mm	52
BLMA 0825-500	0.8 ... 2.5 GHz	500 / 550	57 / 59 ±2	20 / 20	5000	13 HU, 630 mm	120
BLMA 0830-1	0.8 ... 3 GHz	1 / 1.3	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0830-3	0.8 ... 3 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	75	3 HU, 350 mm	12
BLMA 0830-6	0.8 ... 3 GHz	6 / 7	37.8 / 40 ±2	20 / 20	100	3 HU, 350 mm	12
BLMA 0830-10	0.8 ... 3 GHz	10 / 13	40 / 42 ±2	20 / 20	150	3 HU, 550 mm	16
BLMA 0830-20	0.8 ... 3 GHz	20 / 25	43 / 45 ±2	20 / 20	220	3 HU, 550 mm	17
BLMA 0830-40	0.8 ... 3 GHz	40 / 50	46 / 48 ±2	20 / 20	300	3 HU, 550 mm	19
BLMA 0840-30/20D	0.8 ... 4 GHz				200	3 HU, 550 mm	20
	0.8 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 4 GHz	20 / 25	43 / 45 ±2	20 / 20			
BLMA 0840-30D	0.8 ... 4 GHz				350	3 HU, 630 mm	23
	0.8 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 4 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
BLMA 0840-50/35D	0.8 ... 4 GHz				500	3 HU, 630 mm	23
	0.8 ... 2 GHz	50 / 60	47 / 49 ±2	20 / 20			
	2 ... 4 GHz	35 / 40	44.8 / 47 ±2	20 / 20			

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Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLMA 0840-50/60D	0.8 ... 4 GHz 0.8 ... 2 GHz 2 ... 4 GHz	 50 / 60 60 / 75	 47 / 49 ±2 47.8 / 50 ±2	 20 / 20 20 / 20	600	3 HU, 630 mm	26
BLMA 0840-100/60D	0.8 ... 4 GHz 0.8 ... 2 GHz 2 ... 4 GHz	 100 / 120 60 / 75	 50 / 52 ±2 47.8 / 50 ±2	 20 / 20 20 / 20	750	3 HU, 630 mm	28
BLMA 0840-100D	0.8 ... 4 GHz 0.8 ... 2 GHz 2 ... 4 GHz	 100 / 120 100 / 120	 50 / 52 ±2 50 / 52 ±2	 20 / 20 20 / 20	1300	6 HU, 630 mm	42
BLMA 0840-200/100D	0.8 ... 4 GHz 0.8 ... 2 GHz 2 ... 4 GHz	 200 / 240 100 / 120	 53 / 55 ±2 50 / 52 ±2	 20 / 20 20 / 20	1300	6 HU, 630 mm	45
BLMA 0840-200D	0.8 ... 4 GHz 0.8 ... 2 GHz 2 ... 4 GHz	 200 / 240 200 / 240	 53 / 55 ±2 53 / 55 ±2	 20 / 20 20 / 20	2500	9 HU, 630 mm	52
BLMA 0840-400/200D	0.8 ... 4 GHz 0.8 ... 2 GHz 2 ... 4 GHz	 400 / 450 200 / 240	 56 / 58 ±2 53 / 55 ±2	 20 / 20 20 / 20	2500	13 HU, 630 mm	105
BLMA 0840-400D	0.8 ... 4 GHz 0.8 ... 2 GHz 2 ... 4 GHz	 400 / 450 400 / 450	 56 / 58 ±2 56 / 58 ±2	 20 / 20 20 / 20	6500	19 HU, 630 mm	180
BLMA 0840-750/400D	0.8 ... 4 GHz 0.8 ... 2 GHz 2 ... 4 GHz	 750 / 900 400 / 450	 58.8 / 61 ±2 56 / 58 ±2	 20 / 20 20 / 20	9000	30 HU, 630 mm	230
BLMA 0842-1	0.8 ... 4.2 GHz	1 / 1.3	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0842-3	0.8 ... 4.2 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 0842-5	0.8 ... 4.2 GHz	5 / 6	37 / 39 ±2	20 / 20	130	3 HU, 350 mm	12
BLMA 0842-10	0.8 ... 4.2 GHz	10 / 13	40 / 42 ±2	20 / 20	300	3 HU, 550 mm	16
BLMA 0842-20	0.8 ... 4.2 GHz	20 / 25	43 / 45 ±2	20 / 20	400	4 HU, 550 mm	24
BLMA 0842-40	0.8 ... 4.2 GHz	40 / 50	46 / 48 ±2	20 / 20	1500	4 HU, 630 mm	35
BLMA 0842-80	0.8 ... 4.2 GHz	80 / 100	49 / 51 ±2	20 / 20	2500	6 HU, 630 mm	60
BLMA 0860-30D	0.8 ... 6 GHz 0.8 ... 2.5 GHz 2.5 ... 6 GHz	 30 / 35 30 / 35	 44 / 46 ±2 44 / 46 ±2	 15 / 20 15 / 20	450	3 HU, 550 mm	25
BLMA 0860-100D	0.8 ... 6 GHz 0.8 ... 2 GHz 2 ... 6 GHz	 100 / 125 100 / 125	 50 / 52 ±2 50 / 52 ±2	 20 / 20 20 / 20	1300	7 HU, 630 mm	65
BLMA 0880-0.8	0.8 ... 8 GHz	0.8 / 1	29 / 32 ±3	15 / 18	75	3 HU, 350 mm	11
BLMA 0818-10D	0.8 ... 8 GHz 0.8 ... 2 GHz 2 ... 6 GHz 6 ... 8 GHz	 10 / 12 10 / 12 10 / 12	 40 / 42 ±2 40 / 42 ±2 40 / 43 ±3	 20 / 20 20 / 20 15 / 20	200	3 HU, 550 mm	21
BLMA 0818-30/20D	0.8 ... 8 GHz 0.8 ... 2 GHz 2 ... 6 GHz 6 ... 8 GHz	 30 / 35 20 / 25 20 / 22	 44.8 / 48 ±3 43 / 46 ±3 43 / 46 ±3	 20 / 20 15 / 20 12 / 20	400	3 HU, 550 mm	26
BLMA 1020-1	1 ... 2 GHz	1 / 1.3	30 / 32 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 1020-3	1 ... 2 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 1020-5	1 ... 2 GHz	5 / 6	37 / 39 ±2	20 / 20	100	3 HU, 350 mm	11
BLMA 1020-10	1 ... 2 GHz	10 / 13	40 / 42 ±2	20 / 20	150	3 HU, 350 mm	11
BLMA 1020-30	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20	180	3 HU, 350 mm	11
BLMA 1020-60	1 ... 2 GHz	60 / 70	47.8 / 50 ±2	20 / 20	350	3 HU, 550 mm	22
BLMA 1020-100	1 ... 2 GHz	100 / 125	50 / 52 ±2	20 / 20	600	3 HU, 630 mm	22
BLMA 1020-120	1 ... 2 GHz	120 / 140	50.8 / 53 ±2	20 / 20	700	3 HU, 630 mm	22
BLMA 1020-200	1 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20	1200	3 HU, 630 mm	28
BLMA 1020-240	1 ... 2 GHz	240 / 270	53.8 / 56 ±2	20 / 20	1600	3 HU, 630 mm	28

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Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLMA 1020-400	1 ... 2 GHz	400 / 450	56 / 58 ±2	20 / 20	2600	7 HU, 630 mm	55
BLMA 1020-450	1 ... 2 GHz	450 / 500	56.5 / 59 ±2	20 / 20	3500	7 HU, 630 mm	55
BLMA 1020-550	1 ... 2 GHz	550 / 600	57.4 / 60 ±2	20 / 20	4500	12 HU, 630 mm	120
BLMA 1020-600	1 ... 2 GHz	600 / 700	57.8 / 60 ±2	20 / 20	5000	12 HU, 630 mm	120
BLMA 1020-750	1 ... 2 GHz	750 / 900	58.8 / 61 ±2	20 / 20	6000	15 HU, 630 mm	150
BLMA 1020-850	1 ... 2 GHz	850 / 1000	59.3 / 62 ±2	20 / 20	7000	15 HU, 630 mm	150
BLMA 1030-1	1 ... 3 GHz	1 / 1.3	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 1030-3	1 ... 3 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	75	3 HU, 350 mm	12
BLMA 1030-5	1 ... 3 GHz	5 / 6	37 / 39 ±2	20 / 20	75	3 HU, 350 mm	12
BLMA 1030-8	1 ... 3 GHz	8 / 10	39 / 41 ±2	20 / 20	100	3 HU, 350 mm	12
BLMA 1030-10	1 ... 3 GHz	10 / 13	40 / 42 ±2	15 / 20	150	3 HU, 550 mm	16
BLMA 1030-20	1 ... 3 GHz	20 / 25	43 / 45 ±2	15 / 20	200	3 HU, 550 mm	17
BLMA 1030-40	1 ... 3 GHz	40 / 50	46 / 48 ±2	12 / 20	250	3 HU, 550 mm	19
BLMA 1030-80	1 ... 3 GHz	80 / 100	49 / 51 ±2	15 / 20	800	4 HU, 630 mm	32
BLMA 1030-150	1 ... 3 GHz	160 / 200	51.8 / 54 ±2	15 / 20	1800	4 HU, 630 mm	35
BLMA 1040-30/20D	1 ... 4 GHz				200	3 HU, 550 mm	20
	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 4 GHz	20 / 35	43 / 45 ±2	20 / 20			
BLMA 1040-30D	1 ... 4 GHz				350	3 HU, 630 mm	23
	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 4 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
BLMA 1040-60/35D	1 ... 4 GHz				500	3 HU, 630 mm	23
	1 ... 2 GHz	60 / 70	47.8 / 50 ±2	20 / 20			
	2 ... 4 GHz	35 / 40	45.4 / 48 ±2	20 / 20			
BLMA 1040-60D	1 ... 4 GHz				600	3 HU, 630 mm	26
	1 ... 2 GHz	60 / 70	47.8 / 50 ±2	20 / 20			
	2 ... 4 GHz	60 / 75	47.8 / 50 ±2	20 / 20			
BLMA 1040-100/60D	1 ... 4 GHz				750	3 HU, 630 mm	28
	1 ... 2 GHz	100 / 120	50 / 52 ±2	20 / 20			
	2 ... 4 GHz	60 / 75	47.8 / 50 ±2	20 / 20			
BLMA 1040-100D	1 ... 4 GHz				1300	6 HU, 630 mm	45
	1 ... 2 GHz	100 / 120	50 / 52 ±2	20 / 20			
	2 ... 4 GHz	100 / 120	50 / 52 ±2	20 / 20			
BLMA 1040-200/100D	1 ... 4 GHz				1300	6 HU, 630 mm	45
	1 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20			
	2 ... 4 GHz	100 / 120	50 / 52 ±2	20 / 20			
BLMA 1040-200D	1 ... 4 GHz				2500	9 HU, 630 mm	52
	1 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20			
	2 ... 4 GHz	200 / 240	53 / 55 ±2	20 / 20			
BLMA 1040-240/200D	1 ... 4 GHz				2700	9 HU, 630 mm	52
	1 ... 2 GHz	240 / 260	53.8 / 56 ±2	20 / 20			
	2 ... 4 GHz	200 / 240	53 / 55 ±2	20 / 20			
BLMA 1040-300/200D	1 ... 4 GHz				2700	9 HU, 630 mm	55
	1 ... 2 GHz	300 / 320	54.8 / 57 ±2	20 / 20			
	2 ... 4 GHz	200 / 240	53 / 55 ±2	20 / 20			
BLMA 1040-400/200D	1 ... 4 GHz				2700	13 HU, 630 mm	105
	1 ... 2 GHz	400 / 450	56 / 58 ±2	20 / 20			
	2 ... 4 GHz	200 / 240	53 / 55 ±2	20 / 20			
BLMA 1040-400D	1 ... 4 GHz				6000	19 HU, 630 mm	180
	1 ... 2 GHz	400 / 450	56 / 58 ±2	20 / 20			
	2 ... 4 GHz	400 / 450	56 / 58 ±2	20 / 20			
BLMA 1040-750/400D	1 ... 4 GHz				9000	30 HU, 630 mm	230
	1 ... 2 GHz	750 / 900	58.8 / 61 ±2	20 / 20			
	2 ... 4 GHz	400 / 450	56 / 58 ±2	20 / 20			
BLMA 1060-30/20D	1 ... 6 GHz				400	3 HU, 350 mm	20
	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 6 GHz	20 / 25	43 / 45 ±2	20 / 20			

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Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLMA 1060-30D	1 ... 6 GHz				450	3 HU, 350 mm	25
	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 6 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
BLMA 1060-50D	1 ... 6 GHz				700	4 HU, 630 mm	36
	1 ... 2 GHz	50 / 70	47 / 49 ±2	20 / 20			
	2 ... 6 GHz	50 / 80	47 / 49 ±2	20 / 20			
BLMA 1060-100/50D	1 ... 6 GHz				900	6 HU, 630 mm	52
	1 ... 2 GHz	110 / 125	50.4 / 53 ±2	20 / 20			
	2 ... 4 GHz	100 / 120	50.4 / 53 ±2	15 / 20			
	4 ... 6 GHz	50 / 60	47 / 49 ±2	20 / 20			
BLMA 1060-100D	1 ... 6 GHz				1500	6 HU, 630 mm	62
	1 ... 2 GHz	100 / 125	50 / 52 ±2	20 / 20			
	2 ... 6 GHz	100 / 125	50 / 52 ±2	20 / 20			
BLMA 1060-200/100D	1 ... 6 GHz				1500	9 HU, 630 mm	85
	1 ... 2 GHz	200 / 240	53 / 55 ±2	20 / 20			
	2 ... 4 GHz	180 / 240	53 / 55 ±2	15 / 20			
	4 ... 6 GHz	100 / 120	50 / 52 ±2	20 / 20			
BLMA 1018-0.5	1 ... 18 GHz	0.5 / 0.6	27 / 30 ±3	20 / 20	75	3 HU, 350 mm	11
BLMA 1018-1D	1 ... 18 GHz				75	3 HU, 350 mm	12
	1 ... 2 GHz	1 / 1.2	30 / 33 ±3	20 / 20			
	2 ... 16 GHz	1 / 1.2	30 / 33 ±3	20 / 20			
	16 ... 18 GHz	0.8 / 1	29 / 32 ±3	20 / 20			
BLMA 1018-4D	1 ... 18 GHz				180	3 HU, 350 mm	18
	1 ... 2 GHz	4 / 5	36 / 39 ±3	20 / 20			
	2 ... 6 GHz	4 / 5	36 / 39 ±3	20 / 20			
	6 ... 18 GHz	4 / 5	36 / 39 ±3	20 / 20			
BLMA 1018-10D	1 ... 18 GHz				200	3 HU, 550 mm	21
	1 ... 2 GHz	10 / 12	40 / 42 ±2	20 / 20			
	2 ... 6 GHz	10 / 12	40 / 42 ±2	20 / 20			
	6 ... 18 GHz	10 / 12	40 / 43 ±3	15 / 20			
BLMA 1018-30/20D	1 ... 18 GHz				400	3 HU, 550 mm	26
	1 ... 2 GHz	30 / 35	44.8 / 48 ±3	20 / 20			
	2 ... 6 GHz	20 / 25	43 / 46 ±3	15 / 20			
	6 ... 18 GHz	20 / 22	43 / 46 ±3	12 / 20			
BLMA 2040-1	2 ... 4 GHz	1 / 1.3	30 / 32 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 2040-3	2 ... 4 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 2040-7	2 ... 4 GHz	7 / 9	38.5 / 41 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 2040-20	2 ... 4 GHz	20 / 25	43 / 45 ±2	20 / 20	200	3 HU, 350 mm	15
BLMA 2040-35	2 ... 4 GHz	35 / 45	45.4 / 48 ±2	20 / 20	400	3 HU, 630 mm	22
BLMA 2040-60	2 ... 4 GHz	60 / 75	47.8 / 50 ±2	20 / 20	600	3 HU, 630 mm	26
BLMA 2040-110	2 ... 4 GHz	110 / 130	50.4 / 53 ±2	20 / 20	1100	3 HU, 630 mm	28
BLMA 2040-200	2 ... 4 GHz	200 / 240	53 / 55 ±2	20 / 20	2500	6 HU, 630 mm	45
BLMA 2040-300	2 ... 4 GHz	300 / 350	54.8 / 57 ±2	20 / 20	4000	12 HU, 630 mm	120
BLMA 2040-400	2 ... 4 GHz	400 / 450	56 / 58 ±2	20 / 20	5000	15 HU, 630 mm	150
BLMA 2060-0.5	2 ... 6 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 2060-1	2 ... 6 GHz	1 / 1.2	30 / 32 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 2060-2	2 ... 6 GHz	2 / 2.3	33 / 35 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 2060-3	2 ... 6 GHz	3 / 3.3	34.8 / 37 ±2	20 / 20	90	3 HU, 350 mm	11
BLMA 2060-10	2 ... 6 GHz	10 / 12	40 / 42 ±2	20 / 20	100	3 HU, 350 mm	12
BLMA 2060-20	2 ... 6 GHz	20 / 25	43 / 45 ±2	20 / 20	300	3 HU, 550 mm	16
BLMA 2060-30	2 ... 6 GHz	30 / 40	44.8 / 47 ±2	20 / 20	400	3 HU, 630 mm	22
BLMA 2060-50	2 ... 6 GHz	50 / 80	47 / 49 ±2	20 / 20	800	3 HU, 630 mm	28
BLMA 2060-100	2 ... 6 GHz	100 / 130	50 / 52 ±2	20 / 20	1500	3 HU, 630 mm	56
BLMA 2080-0.5	2 ... 8 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 2080-1	2 ... 8 GHz	1 / 1.2	30 / 32 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 2080-2	2 ... 8 GHz	2 / 2.3	33 / 35 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 2080-10	2 ... 8 GHz	10 / 12	40 / 42 ±2	15 / 20	150	3 HU, 350 mm	13

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Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLMA 2018-0.2	2 ... 18 GHz	0.2 / 0.25	23 / 25 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 2018-0.3	2 ... 18 GHz	0.3 / 0.35	24.8 / 27 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 2018-0.5	2 ... 18 GHz	0.5 / 0.8	27 / 29 ±2	15 / 20	50	3 HU, 350 mm	11
BLMA 2018-0.8	2 ... 18 GHz	0.8 / 1	29 / 32 ±2	20 / 20	65	3 HU, 350 mm	11
BLMA 2018-1	2 ... 18 GHz				65	3 HU, 350 mm	12
	2 ... 16 GHz	1 / 1.2	30 / 33 ±3	20 / 20			
	16 ... 18 GHz	0.8 / 1	29 / 32 ±3	20 / 20			
BLMA 2018-1.5	2 ... 18 GHz	1.5 / 1.8	32 / 35 ±3	20 / 20	150	3 HU, 350 mm	13
BLMA 2020-1	2 ... 20 GHz	1 / 1.2	30 / 32 ±2	18 / 20	65	3 HU, 350 mm	12
BLMA 2020-5	2 ... 20 GHz	5 / 6	37 / 39 ±2	18 / 20	200	3 HU, 350 mm	15
BLMA 2560-10	2.5 ... 6 GHz	10 / 12	40 / 42 ±2	15 / 20	150	3 HU, 350 mm	12
BLMA 2560-30	2.5 ... 6 GHz	30 / 35	44.8 / 47 ±2	15 / 20	500	3 HU, 630 mm	25
BLMA 4060-2	4 ... 6 GHz	2 / 2.5	33 / 35 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 4060-4	4 ... 6 GHz	4 / 4.5	36 / 38 ±2	20 / 20	110	3 HU, 350 mm	12
BLMA 4060-8	4 ... 6 GHz	8 / 9	39 / 41 ±2	20 / 20	250	3 HU, 350 mm	13
BLMA 4060-10	4 ... 6 GHz	10 / 11	40 / 42 ±2	20 / 20	300	3 HU, 350 mm	13
BLMA 4060-20	4 ... 6 GHz	20 / 22	43 / 45 ±2	15 / 20	450	3 HU, 350 mm	14
BLMA 4060-30	4 ... 6 GHz	30 / 40	44.8 / 47 ±2	20 / 20	300	3 HU, 630 mm	22
BLMA 4060-50	4 ... 6 GHz	50 / 70	47 / 49 ±2	20 / 20	600	3 HU, 630 mm	26
BLMA 4060-100	4 ... 6 GHz	100 / 130	50 / 52 ±2	20 / 20	1500	6 HU, 630 mm	56
BLMA 4080-1	4 ... 8 GHz	1 / 1.2	30 / 32 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 4080-2	4 ... 8 GHz	2 / 2.3	33 / 35 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 4080-2.5	4 ... 8 GHz	2.5 / 3	34 / 36 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 4080-4	4 ... 8 GHz	4 / 4.5	36 / 39 ±2	20 / 20	110	3 HU, 350 mm	12
BLMA 4080-7	4 ... 8 GHz	7 / 8	38.5 / 42 ±2	15 / 20	200	3 HU, 350 mm	12
BLMA 4080-8	4 ... 8 GHz	8 / 9	39 / 41 ±2	20 / 20	250	3 HU, 350 mm	13
BLMA 4080-10	4 ... 8 GHz	10 / 11	40 / 42 ±2	20 / 20	300	3 HU, 350 mm	13
BLMA 4080-20	4 ... 8 GHz	20 / 22	43 / 46 ±3	12 / 20	350	3 HU, 550 mm	18
BLMA 4080-30	4 ... 8 GHz	30 / 35	44.8 / 48 ±3	20 / 20	700	4 HU, 550 mm	30
BLMA 4080-60	4 ... 8 GHz	60 / 70	47.8 / 51 ±3	20 / 20	1400	5 HU, 550 mm	38
BLMA 4010-0.5	4 ... 10 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 4010-1	4 ... 10 GHz	1 / 1.2	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 4010-2	4 ... 10 GHz	2 / 2.3	33 / 35 ±2	20 / 20	90	3 HU, 350 mm	11
BLMA 4010-6	4 ... 10 GHz	6 / 6.5	37.8 / 40 ±2	20 / 20	200	3 HU, 350 mm	13
BLMA 4012-5	4 ... 12 GHz	5 / 6	37 / 39 ±2	20 / 20	200	3 HU, 350 mm	13
BLMA 4012-10	4 ... 12 GHz	10 / 11	40 / 42 ±2	20 / 20	300	3 HU, 350 mm	13
BLMA 4018-5D	4 ... 18 GHz				200	3 HU, 350 mm	12
	4 ... 8 GHz	5 / 6	37 / 39 ±2	18 / 20			
	8 ... 18 GHz	5 / 6	37 / 40 ±3	12 / 20			
BLMA 4018-20D	4 ... 18 GHz				350	3 HU, 630 mm	24
	4 ... 6 GHz	20 / 25	43 / 45 ±2	20 / 20			
	6 ... 18 GHz	20 / 22	43 / 46 ±3	12 / 20			
BLMA 4018-30D	4 ... 18 GHz				600	5 HU, 630 mm	46
	4 ... 6 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	6 ... 18 GHz	30 / 35	44.8 / 47 ±3	12 / 20			
BLMA 6012-0.5	6 ... 12 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 6012-1	6 ... 12 GHz	1 / 1.2	30 / 32 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 6012-2	6 ... 12 GHz	2 / 2.3	33 / 35 ±2	20 / 20	90	3 HU, 350 mm	11
BLMA 6012-10	6 ... 12 GHz	10 / 11	40 / 42 ±2	15 / 20	300	3 HU, 350 mm	13
BLMA 6012-20	6 ... 12 GHz	20 / 22	43 / 45 ±2	15 / 20	450	3 HU, 550 mm	14
BLMA 6018-0.5	6 ... 18 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 6018-1	6 ... 18 GHz	1 / 1.2	30 / 32 ±2	20 / 20	50	3 HU, 350 mm	10

BLMA Solid State Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLMA 6018-2	6 ... 18 GHz	2 / 2.3	33 / 35 ±2	15 / 20	50	3 HU, 350 mm	10
BLMA 6018-4	6 ... 18 GHz	4 / 5	36 / 39 ±2	20 / 20	150	3 HU, 350 mm	11
BLMA 6018-7	6 ... 18 GHz	7 / 8	38.5 / 42 ±2	20 / 20	200	3 HU, 350 mm	12
BLMA 6018-10	6 ... 18 GHz	10 / 11	40 / 43 ±2	20 / 20	250	3 HU, 350 mm	14
BLMA 6018-20	6 ... 18 GHz	20 / 22	43 / 46 ±2	12 / 20	350	3 HU, 550 mm	18
BLMA 6018-35	6 ... 18 GHz	35 / 40	45.4 / 49 ±3	15 / 20	800	3 HU, 630 mm	28
BLMA 6018-60	6 ... 18 GHz	60 / 70	47.5 / 51 ±3	15 / 20	1600	6 HU, 630 mm	50
BLMA 8012-1	8 ... 12 GHz	1 / 1.2	30 / 32 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 8012-2	8 ... 12 GHz	2 / 2.3	33 / 35 ±2	20 / 20	70	3 HU, 350 mm	11
BLMA 8012-5	8 ... 12 GHz	5 / 6	37 / 39 ±2	20 / 20	90	3 HU, 350 mm	12
BLMA 8012-6	8 ... 12 GHz	6 / 7	37.8 / 40 ±2	20 / 20	100	3 HU, 350 mm	12
BLMA 8012-8	8 ... 12 GHz	8 / 9	39 / 41 ±2	20 / 20	125	3 HU, 350 mm	12
BLMA 8012-12	8 ... 12 GHz	12 / 15	40.8 / 43 ±2	20 / 20	150	3 HU, 350 mm	12
BLMA 8012-25	8 ... 12 GHz	25 / 28	44 / 46 ±2	15 / 20	350	3 HU, 350 mm	14
BLMA 8012-35	8 ... 12 GHz	35 / 40	45.4 / 48 ±2	15 / 20	500	3 HU, 550 mm	18
BLMA 8012-50	8 ... 12 GHz	50 / 55	47 / 50 ±3	15 / 20	1600	5 HU, 630 mm	50
BLMA 8018-0.5	8 ... 18 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 8018-1	8 ... 18 GHz	1 / 1.2	30 / 32 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 8018-1.5	8 ... 18 GHz	1.5 / 1.7	31.8 / 34 ±2	20 / 20	75	3 HU, 350 mm	10
BLMA 8018-2	8 ... 18 GHz	2 / 2.3	33 / 35 ±2	18 / 20	75	3 HU, 350 mm	10
BLMA 8018-5	8 ... 18 GHz	5 / 6	37 / 39 ±2	15 / 20	150	3 HU, 350 mm	12
BLMA 8018-7	8 ... 18 GHz	7 / 8	38.5 / 41 ±2	20 / 20	200	3 HU, 350 mm	12
BLMA 8018-8	8 ... 18 GHz	8 / 9	39 / 41 ±2	20 / 20	200	3 HU, 350 mm	12
BLMA 8018-10	8 ... 18 GHz	10 / 11	40 / 43 ±3	15 / 20	200	3 HU, 350 mm	12
BLMA 8018-20	8 ... 18 GHz	20 / 22	43 / 46 ±3	15 / 20	350	3 HU, 550 mm	14
BLMA 8018-35	8 ... 18 GHz	35 / 40	45.4 / 50 ±4	15 / 20	800	3 HU, 630 mm	28
BLMA 1218-1	12 ... 18 GHz	1 / 1.2	30 / 32 ±2	20 / 20	60	3 HU, 350 mm	10
BLMA 1218-2	12 ... 18 GHz	2 / 2.3	33 / 35 ±2	20 / 20	60	3 HU, 350 mm	11
BLMA 1218-3	12 ... 18 GHz	3 / 3.5	34.8 / 37 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 1218-5	12 ... 18 GHz	5 / 6	37 / 39 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 1218-7	12 ... 18 GHz	7 / 8	38.5 / 41 ±2	20 / 20	200	3 HU, 350 mm	12
BLMA 1218-8	12 ... 18 GHz	8 / 9	39 / 41 ±2	20 / 20	250	3 HU, 350 mm	13
BLMA 1218-10	12 ... 18 GHz	10 / 11	40 / 42 ±2	15 / 20	250	3 HU, 350 mm	13
BLMA 1218-20	12 ... 18 GHz	20 / 22	43 / 45 ±2	15 / 20	350	3 HU, 350 mm	14
BLMA 1826-0.25	18 ... 26.5 GHz	0.25 / 0.28	24 / 26 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 1826-0.5	18 ... 26.5 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 1826-0.7	18 ... 26.5 GHz	0.7 / 0.8	28.5 / 31 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 1826-1	18 ... 26.5 GHz	1 / 1.1	30 / 32 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 1826-2	18 ... 26.5 GHz	2 / 2.2	33 / 35 ±2	20 / 20	75	3 HU, 350 mm	11
BLMA 1826-4	18 ... 26.5 GHz	4 / 4.4	36 / 39 ±3	20 / 20	120	3 HU, 350 mm	11
BLMA 1840-0.1	18 ... 40 GHz	0.1 / 0.12	20 / 22 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 1840-0.2	18 ... 40 GHz	0.2 / 0.22	23 / 25 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 1840-0.25	18 ... 40 GHz	0.25 / 0.3	24 / 26 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 1840-0.4	18 ... 40 GHz	0.4 / 0.45	26 / 28 ±2	20 / 20	50	3 HU, 350 mm	11
BLMA 1840-0.7	18 ... 40 GHz				75	3 HU, 350 mm	12
	18 ... 37 GHz	0.7 / 0.8	28.5 / 31 ±2	20 / 20			
	37 ... 40 GHz	0.5 / 0.6	27 / 29 ±2	20 / 20			
BLMA 2640-0.1	26.5 ... 40 GHz	0.1 / 0.12	20 / 22 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 2640-0.2	26.5 ... 40 GHz	0.2 / 0.23	23 / 25 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 2640-0.4	26.5 ... 40 GHz	0.4 / 0.45	26 / 28 ±2	20 / 20	50	3 HU, 350 mm	10
BLMA 2640-0.8	26.5 ... 40 GHz				50	3 HU, 350 mm	10
	26.5 ... 37 GHz	0.8 / 1	29 / 33 ±4	20 / 20			
	37 ... 40 GHz	0.5 / 0.6	27 / 31 ±4	20 / 20			
BLMA 2640-2	26.5 ... 40 GHz	2 / 2.1	33 / 37 ±4	20 / 20	75	3 HU, 350 mm	11

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
TWAL 0103-250	1 ... 2.5 GHz	250 / 300	54 / 62 ±7.5	4 / 12	3000	5 HU, 660 mm	48
TWAL 0103-320	1 ... 2.5 GHz	320 / 350	55 / 63 ±7.5	3 / 10	3500	5 HU, 660 mm	48
TWAL 0103-500	1 ... 2.5 GHz	500 / 600	54 / 62 ±7.5	2 / 10	4000	14 HU, 660 mm	140
TWAL 0103-500E	1 ... 2.5 GHz	500 / 600	57 / 62 ±5	2 / 10	3500	4 HU, 730 mm	40
TWAL 0103-1000	1 ... 2.5 GHz	1000 / 1100	50 / 60 ±10	8 / 20	12000	32 HU, 800 mm	340
TWAL 0103-1000E	1 ... 2.5 GHz	1000 / 1100	54 / 61.5 ±7.5	3 / 10	7000	5 HU, 800 mm	100
TWAL 0118-30/20D	1 ... 18 GHz				500	4 HU, 630 mm	32
	1 ... 2 GHz	30 / 35	44.8 / 47 ±2	20 / 20			
	2 ... 6 GHz	20 / 25	43 / 45 ±2	20 / 20			
	6 ... 18 GHz	20 / 25	43 / 48 ±5	0 / 5			
TWAL 0204-250E	2 ... 4 GHz	250 / 300	54 / 62 ±7.5	6 / 15	3000	4 HU, 730 mm	32
TWAL 0206-200E	2 ... 6 GHz	200 / 220	53 / 60 ±7.5	3 / 10	2500	4 HU, 730 mm	32
TWAL 0208-250	2 ... 8 GHz	250 / 300	54 / 62 ±7.5	1 / 5	3000	5 HU, 660 mm	50
TWAL 0208-300	2 ... 8 GHz	300 / 350	54.8 / 63 ±7.5	0 / 4	3500	5 HU, 660 mm	50
TWAL 0208-500E	2.5 ... 7.5 GHz	500 / 600	57 / 62 ±5	5 / 10	3000	4 HU, 630 mm	40
TWAL 0208-1000E	2.5 ... 7.5 GHz	1000 / 1100	54 / 61.5 ±7.5	5 / 10	6000	12 HU, 800 mm	100
TWAL 0208-250E	2.5 ... 8 GHz	250 / 300	54 / 62 ±7.5	3 / 10	2500	4 HU, 630 mm	38
TWAL 0208-500	2.5 ... 8 GHz	500 / 600	54 / 62 ±7.5	5 / 10	6000	14 HU, 660 mm	140
TWAL 0208-1000	2.5 ... 8 GHz	1000 / 1100	50 / 58 ±7.5	10 / 15	12000	32 HU, 800 mm	340
TWAL 0408-20	4 ... 8 GHz	20 / 30	43 / 48 ±5	5 / 20	400	3 HU, 550 mm	20
TWAL 0408-250E	4 ... 8 GHz	250 / 300	54 / 62 ±7.5	6 / 15	3000	4 HU, 730 mm	30
TWAL 0410-70	4 ... 10 GHz	70 / 120	50 / 56 ±6	3 / 10	1500	3 HU, 610 mm	33
TWAL 0410-170	4 ... 10 GHz	170 / 250	50 / 56 ±6	3 / 10	1500	3 HU, 610 mm	33
TWAL 0412-20	4 ... 12 GHz	20 / 40	43 / 51 ±4	0 / 6	500	3 HU, 550 mm	18
TWAL 0418-20	4 ... 18 GHz	20 / 40	43 / 48 ±7.5	0 / 5	600	3 HU, 550 mm	18
TWAL 0418-30E	4 ... 18 GHz				800	3 HU, 550 mm	16
	4 ... 4.5 GHz	25 / 30	44 / 54 ±10	2 / 1			
	4.5 ... 6 GHz	30 / 35	44.8 / 55 ±10	1 / 1			
	6 ... 16 GHz	70 / 90	48.5 / 59 ±10	4 / 15			
	16 ... 18 GHz	30 / 35	44.8 / 55 ±10	20 / 20			
TWAL 0418-40E	4 ... 18 GHz				800	3 HU, 550 mm	16
	4 ... 4.5 GHz	30 / 35	44 / 54 ±10	2 / 1			
	4.5 ... 6 GHz	40 / 45	45 / 55 ±10	1 / 1			
	6 ... 15 GHz	70 / 90	49 / 59 ±10	4 / 15			
	15 ... 18 GHz	40 / 45	45 / 55 ±10	20 / 20			
TWAL 0418-100E	4.5 ... 18 GHz	100 / 120	50 / 60 ±10	0 / 5	800	3 HU, 550 mm	18
TWAL 0618-20	6 ... 18 GHz	20 / 30	43 / 48 ±5	5 / 20	400	3 HU, 550 mm	20
TWAL 0618-200E	6 ... 18 GHz	200 / 250	53 / 61 ±7.5	6 / 15	3000	4 HU, 630 mm	33
TWAL 0618-300E	6 ... 18 GHz	300 / 350	54.8 / 62.5 ±7.5	5 / 10	3500	4 HU, 630 mm	38
TWAL 0810-1500	8 ... 10 GHz	1500 / 1800	52 / 62 ±10	10 / 20	7000	13 HU, 700 mm	90
TWAL 0812-20	8 ... 12 GHz	20 / 30	43 / 48 ±5	5 / 20	400	3 HU, 550 mm	20
TWAL 0812-1000	8 ... 12 GHz	1000 / 1200	50 / 60 ±10	10 / 20	7000	13 HU, 700 mm	90

TWAL — TWT Amplifiers

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
TWAL 0818-20	8 ... 18 GHz	20 / 30	43 / 51 ±7.5	10 / 20	400	3 HU, 550 mm	20
TWAL 0818-50/35	8 ... 18 GHz				400	3 HU, 550 mm	22
	8 ... 15 GHz	50 / 60	47 / 55 ±7.5	5 / 20			
	15 ... 18 GHz	35 / 40	43 / 51 ±7.5	5 / 20			
TWAL 0818-200E	8 ... 18 GHz	200 / 250	53 / 61 ±7.5	6 / 15	2000	4 HU, 730 mm	33
TWAL 0818-250	8 ... 18 GHz	250 / 300	54 / 62 ±7.5	8 / 20	1500	3 HU, 610 mm	33
TWAL 0818-250E	8 ... 18 GHz	250 / 300	54 / 62 ±7.5	7 / 15	2000	4 HU, 630 mm	32
TWAL 0818-320	8 ... 18 GHz	320 / 350	55 / 63 ±7.5	6 / 18	1750	3 HU, 610 mm	33
TWAL 0818-500	8 ... 18 GHz	500 / 550	54 / 62 ±7.5	8 / 20	3000	7 HU, 700 mm	85
TWAL 0818-500E	8 ... 18 GHz	500 / 550	57 / 65 ±7.5	15 / 20	3000	8 HU, 630 mm	55
TWAL 0818-1000	8 ... 18 GHz	1000 / 1100	50 / 60 ±7.5	10 / 20	6000	18 HU, 700 mm	270
TWAL 0818-1000E	8 ... 18 GHz	1000 / 1100	60 / 68 ±7.5	15 / 20	6000	21 HU, 630 mm	120
TWAL 1012-1000	10 ... 12 GHz	1000 / 1200	50 / 60 ±10	10 / 20	7000	13 HU, 700 mm	90
TWAL 1218-20	12 ... 18 GHz	20 / 40	43 / 48 ±5	5 / 20	400	3 HU, 550 mm	20
TWAL 1823-200E	18 ... 23 GHz	200 / 220	53 / 58 ±5	15 / 20	2200	6 HU, 730 mm	35
TWAL 1826-40	18 ... 26.5 GHz	40 / 60	46 / 52 ±6	20 / 20	1200	3+5 HU, 610 mm	41
TWAL 1826-120	18 ... 26.5 GHz	120 / 150	50.8 / 57 ±6	20 / 20	750	6 HU, 630 mm	45
TWAL 1840-40E	18 ... 40 GHz	40 / 60	46 / 54 ±7.5	7 / 15	750	4 HU, 630 mm	27
TWAL 2640-40	26 ... 40 GHz	40 / 60	46 / 52 ±6	20 / 20	1200	3+5 HU, 610 mm	41
TWAL 2640-120	26 ... 40 GHz	120 / 150	50.8 / 57 ±6	20 / 20	750	6 HU, 630 mm	38
TWAL 2731-100E	27 ... 31 GHz	100 / 120	50 / 55 ±5	12 / 15	1250	6 HU, 730 mm	35

EMI Preamplifiers

Model	Frequency Range	Output Power P_N min dBm	Gain min / typ dB	Noise Figure dB	Dimensions (B, H, D) mm	Weight kg
BLMA 0118-A	1 ... 18 GHz	+10	18 / 21 ±3	2.5	93 x 95 x 208	1.5
BLMA 0118-BT	3 ... 18 GHz [1])	+3	44 / 48 ±4	3.2	93 x 95 x 208	1.5
BLMA 0118-M	1 ... 18 GHz	+4	45 / 49 ±4	2.5	93 x 95 x 208	1.5
BLMA 0118-1A	1 ... 18 GHz	+10	30 / 32 ±2	2.6	93 x 95 x 208	1.5
BLMA 0118-1ABT	3 ... 18 GHz [1])	+9	28 / 32 ±2	3.3	93 x 95 x 208	1.5
BLMA 0118-1BT	3 ... 18 GHz [1])	+9	36 / 39 ±3	3.2	93 x 95 x 208	1.5
BLMA 0118-1M	1 ... 18 GHz	+10	38 / 41 ±3	2.5	93 x 95 x 208	1.5
BLMA 0118-2M	1 ... 18 GHz	+10	38 / 41 ±3	2.5	93 x 95 x 208	1.5
BLMA 0118-2A	1 ... 18 GHz	+5	29 / 31 ±2	2.8	93 x 95 x 208	1.5
BLMA 0118-3A	1 ... 18 GHz	+8	30 / 32 ±2	3	93 x 95 x 208	1.5
BLMA 0118-4A	1 ... 18 GHz	+8	40 / 42 ±2	3	93 x 95 x 208	1.5
BLMA 0118-5A	1 ... 18 GHz	+8	50 / 52 ±2	3	93 x 95 x 208	1.5
BLMA 1826-1M	18 ... 26 GHz	+10	40 / 42 ±2	2.5	93 x 65 x 206	1
BLMA 1826-2M	18 ... 26 GHz	+10	30 / 32 ±2	2.5	93 x 65 x 206	1
BLMA 1826-3A	18 ... 26 GHz	+10	30 / 32 ±2	3	93 x 65 x 206	1
BLMA 1826-4A	18 ... 26 GHz	+10	40 / 42 ±2	3	93 x 65 x 206	1
BLMA 1826-5A	18 ... 26 GHz	+10	50 / 52 ±2	3	93 x 65 x 206	1
BLMA 1840-1M	18 ... 40 GHz	+5	23 / 26 ±2.5	2.7	93 x 65 x 206	1
BLMA 1840-1A	18 ... 40 GHz	+5	23 / 26 ±2.5	3	93 x 65 x 206	1
BLMA 1840-2A	18 ... 40 GHz	+5	23 / 26 ±2.5	3.5	93 x 65 x 206	1
BLMA 1840-3A	18 ... 40 GHz	+5	23 / 26 ±2.5	5	93 x 65 x 206	1
BLMA 2640-M	26 ... 40 GHz	+5	40 / 43 ±3	2.7	93 x 65 x 206	1
BLMA 2640-1M	26 ... 40 GHz	+5	38 / 41 ±3	3	93 x 65 x 206	1
BLMA 2640-1A	26 ... 40 GHz	+6	20 / 22 ±2	4.5	93 x 65 x 206	1
BLMA 2640-3A	26 ... 40 GHz	+10	30 / 32 ±2	4	93 x 65 x 206	1
BLMA 2640-4A	26 ... 40 GHz	+10	40 / 42 ±2	4	93 x 65 x 206	1
BLMA 2640-5A	26 ... 40 GHz	+10	50 / 52 ±2	4	93 x 65 x 206	1

BLPA / BPA — Pulsed Solid State Amplifiers

Model	Frequency Range	Output Power P_P min / typ W	Gain typ dB	Harmonics 2nd / 3rd dBc	Line Power W	Dimensions (H, D) 19"-System	Weight kg
BLPA 3050-50	0.3 ... 0.5 GHz	50 / 60	47 ±1.5	40 / 40	80	3 HU, 350 mm	25
BLPA 3050-100	0.3 ... 0.5 GHz	100 / 115	50 ±1.5	40 / 40	150	3 HU, 350 mm	25
BLPA 3050-250	0.3 ... 0.5 GHz	250 / 280	54 ±1.5	40 / 40	250	4 HU, 550 mm	30
BLPA 3050-500	0.3 ... 0.5 GHz	500 / 550	57 ±1.5	40 / 40	350	4 HU, 550 mm	40
BLPA 3050-1000	0.3 ... 0.5 GHz	1000 / 1100	60 ±1.5	40 / 40	500	4 HU, 550 mm	45
BLPA 3050-2000	0.3 ... 0.5 GHz	2000 / 2200	63 ±1.5	40 / 40	750	5 HU, 550 mm	55
BLPA 3050-4000	0.3 ... 0.5 GHz	4000 / 4400	66 ±1.5	40 / 40	1000	7 HU, 630 mm	75
BLPA 3050-7000	0.3 ... 0.5 GHz	7000 / 7500	68 ±1.5	40 / 40	2000	12 HU, 630 mm	115
BLPA 4010-1200	400 ... 1000 MHz	1200 / 1400	60.8 / 63 ±2	20 / 20	1000	8 HU, 630 mm	75
BLPA 4010-2000	400 ... 1000 MHz	2000 / 2200	63 / 65 ±2	20 / 20	1500	15 HU, 630 mm	145
BLPA 4010-3500	400 ... 1000 MHz	3500 / 3800	65.4 / 68 ±2	20 / 20	1000	24 HU, 630 mm	195
BPA 0913-100	950 ... 1250 MHz	100 / 5	50 ±2.5	40 / 40	300	3 HU, 350 mm	15
BPA 0913-500	950 ... 1250 MHz	500 / 5	57 ±2.5	40 / 40	300	4 HU, 550 mm	25
BPA 0913-1000	950 ... 1250 MHz	1000 / 5	60 ±2.5	40 / 40	300	3 HU, 550 mm	30
BPA 0913-4000	950 ... 1250 MHz	4000 / 5	66 ±2.5	40 / 40	1200	12 HU, 550 mm	120
BPA 0913-7500	950 ... 1250 MHz	7500 / 5	68 ±2.5	40 / 40	2500	24 HU, 800 mm	220
BPA 1114-900	1.15 ... 1.45 GHz	900 / 10	59 ±2.5	30 / 30	500	3 HU, 630 mm	22
BPA 1214-100	1.2 ... 1.4 GHz	100 / 10	50 ±2.5	30 / 30	200	3 HU, 350 mm	15
BPA 1214-500	1.2 ... 1.4 GHz	500 / 10	57 ±2.5	30 / 30	250	3 HU, 550 mm	18
BPA 1214-1000	1.2 ... 1.4 GHz	1000 / 10	60 ±2.5	30 / 30	500	3 HU, 630 mm	22
BPA 1214-1800	1.2 ... 1.4 GHz	1800 / 10	62.6 ±2.5	30 / 30	1000	4 HU, 630 mm	35
BPA 1214-3000	1.2 ... 1.4 GHz	3000 / 10	64.8 ±2.5	30 / 30	1500	6 HU, 630 mm	40
BPA 1214-5000	1.2 ... 1.4 GHz	5000 / 10	67 ±2.5	30 / 30	3000	8 HU, 630 mm	60
BPA 2427-25	2.4 ... 2.7 GHz	25 / 10	44 ±2.5	40 / 40	125	3 HU, 350 mm	15
BPA 2427-50	2.4 ... 2.7 GHz	50 / 10	47 ±2.5	40 / 40	200	3 HU, 350 mm	15
BPA 2427-100	2.4 ... 2.7 GHz	100 / 10	50 ±2.5	40 / 40	350	3 HU, 350 mm	15
BPA 2427-500	2.4 ... 2.7 GHz	500 / 10	57 ±2.5	40 / 40	1000	4 HU, 550 mm	25
BPA 2427-1000	2.4 ... 2.7 GHz	1000 / 10	60 ±2.5	40 / 40	1700	4 HU, 550 mm	30
BPA 2731-25	2.7 ... 3.1 GHz	25 / 10	44 ±2.5	40 / 40	100	3 HU, 350 mm	15
BPA 2731-50	2.7 ... 3.1 GHz	50 / 10	47 ±2.5	40 / 40	150	3 HU, 350 mm	15
BPA 2731-100	2.7 ... 3.1 GHz	100 / 10	50 ±2.5	40 / 40	250	3 HU, 350 mm	15
BPA 2731-300	2.7 ... 3.1 GHz	300 / 10	54.8 ±2.5	40 / 40	500	3 HU, 550 mm	20
BPA 2731-500	2.7 ... 3.1 GHz	500 / 10	57 ±2.5	40 / 40	500	3 HU, 550 mm	25
BPA 2731-1000	2.7 ... 3.1 GHz	1000 / 10	60 ±2.5	40 / 40	1000	4 HU, 550 mm	30

TWAP — Pulsed TWT Amplifiers

Model	Frequency Range	Output Power P_P min / Duty W / %	Gain typ dB	Harmonics 2nd / 3rd dBc typ	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
TWAP 0115-12000	1 ... 1.5 GHz	12000 / 1	75 ±5	20 / 20	1200	4 HU, 730 mm	38
TWAP 0102-4000	1 ... 2 GHz	4000 / 6	71.5 ±7.5	10 / 10	2500	8 HU, 630 mm	60
TWAP 0102-7000	1 ... 2 GHz	7000 / 6	73.5 ±7.5	10 / 10	5000	18 HU, 800 mm	150
TWAP 0103-1000	1 ... 2.5 GHz	1000 / 6	67.5 ±7.5	5 / 8	730	4 HU, 730 mm	35
TWAP 0103-2000	1 ... 2.5 GHz	2000 / 6	70.5 ±7.5	7 / 15	1200	4 HU, 730 mm	42
TWAP 0103-3500	1 ... 2.5 GHz	3500 / 6	72 ±7.5	7 / 15	2500	12 HU, 800 mm	125
TWAP 0103-6000	1 ... 2.5 GHz	6000 / 6	74 ±7.5	7 / 15	5000	24 HU, 800 mm	250
TWAP 1113-20000	1.1 ... 1.3 GHz	20000 / 1	80 ±7.5	20 / 20	2750	12 HU, 800 mm	115
TWAP 1115-2000	1.1 ... 1.5 GHz	2000 / 4	70.5 ±7.5	20 / 20	1000	4 HU, 830 mm	40
TWAP 1502-8000	1.5 ... 2 GHz	8000 / 1	73 ±5	20 / 20	1000	4 HU, 730 mm	38
TWAP 0204-2000	2 ... 4 GHz	2000 / 6	70.5 ±7.5	4 / 10	1200	4 HU, 700 mm	35
TWAP 0204-5000	2 ... 4 GHz	5000 / 6	74.5 ±7.5	3 / 8	2800	4 HU, 730 mm	35
TWAP 0204-9000	2 ... 4 GHz	9000 / 6	77 ±7.5	7 / 12	6000	12 HU, 800 mm	100
TWAP 0208-1500	2.5 ... 8 GHz	1500 / 6	69.3 ±7.5	2 / 5	1000	4 HU, 700 mm	35
TWAP 0208-2000	2.5 ... 8 GHz	2000 / 6	70.5 ±7.5	2 / 5	1200	4 HU, 700 mm	35
TWAP 0208-3000	2.5 ... 8 GHz	3000 / 6	74 ±7.5	10 / 10	1200	12 HU, 800 mm	80
TWAP 0304-9000	2.9 ... 4 GHz	9000 / 4	77.5 ±7.5	6 / 15	2000	4 HU, 730 mm	35
TWAP 0408-1800	4 ... 8 GHz	1800 / 6	70 ±7.5	7 / 12	1200	4 HU, 630 mm	35
TWAP 0408-4000	4 ... 8 GHz	4000 / 6	73.5 ±7.5	4 / 10	2000	6 HU, 630 mm	35
TWAP 0408-7500	4 ... 8 GHz	7500 / 6	73 ±4	5 / 20	4000	12 HU, 800 mm	100
TWAP 0811-7000	8 ... 11 GHz	7000 / 5	76 / 83.5 ±7.5	8 / 15	2000	4 HU, 730 mm	38
TWAP 0812-2500	8 ... 12.4 GHz	2500 / 6	71.5 ±7.5	10 / 15	1500	4 HU, 630 mm	35
TWAP 0812-5000	8 ... 12.4 GHz				1600	4 HU, 630 mm	38
	8 ... 12 GHz	5000 / 6	74.5 ±7.5	10 / 20			
	12 ... 12.4 GHz	4000 / 6	73.5 ±7.5	10 / 20			
TWAP 0812-8000	8 ... 12.4 GHz	8000 / 6	76.5 ±7.5	15 / 20	4000	12 HU, 800 mm	100
TWAP 0818-1000	8 ... 18 GHz	1000 / 6	67.5 ±7.5	3 / 8	1200	4 HU, 630 mm	30
TWAP 0818-1500	8 ... 18 GHz	1500 / 6	69.5 ±7.5	7 / 15	1300	4 HU, 630 mm	32
TWAP 0818-2000	8 ... 18 GHz	2000 / 6	68 ±5	7 / 15	1300	4 HU, 630 mm	32
TWAP 0818-2500	8 ... 18 GHz	2500 / 6	71.5 ±7.5	7 / 15	2000	8 HU, 630 mm	50
TWAP 0818-3000	8 ... 18 GHz	3000 / 6	74 ±7.5	10 / 10	4000	8 HU, 800 mm	80
TWAP 1218-3500	12.4 ... 18 GHz	3500 / 6	71 ±5	15 / 15	1500	4 HU, 630 mm	35
TWAP 1218-6000	12.4 ... 18 GHz	6000 / 6	73 ±5	15 / 15	3000	12 HU, 800 mm	100



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