

STANDARD MODELS

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 1840-0.1	18 ... 40 GHz	0.1 / 0.12	20 / 23 ±3	20 / 20	50	2 HU, 430 mm	10
BLMA 1840-0.2	18 ... 40 GHz	0.2 / 0.22	23 / 26 ±3	20 / 20	50	2 HU, 430 mm	10
BLMA 1840-0.3	18 ... 40 GHz	0.3 / 0.35	25 / 28 ±3	20 / 20	50	2 HU, 430 mm	10
BLMA 1840-0.5	18 ... 40 GHz	0.5 / 0.6	27 / 30 ±3	20 / 20	70	2 HU, 430 mm	10
BLMA 1840-0.7	18 ... 40 GHz				70	2 HU, 430 mm	9
	18 ... 20 GHz	0.5 / 0.7	28 / 32 ±4	20 / 20			
	20 ... 40 GHz	0.7 / 0.8	28.5 / 33 ±4	20 / 20			
BLMA 1840-1	18 ... 40 GHz				100	2 HU, 430 mm	10
	18 ... 20 GHz	0.8 / 1	29 / 32 ±3	20 / 20			
	20 ... 40 GHz	1 / 1.1	30 / 33 ±3	20 / 20			
BLMA 1840-1D	18 ... 40 GHz				100	2 HU, 430 mm	10
	18 ... 26.5 GHz	1 / 1.2	30 / 33 ±3	20 / 20			
	26.5 ... 40 GHz	1 / 1.2	30 / 33 ±3	20 / 20			
BLMA 1840-2/1.5D	18 ... 40 GHz				150	2 HU, 430 mm	11
	18 ... 26.5 GHz	2 / 2.2	33 / 36 ±3	20 / 20			
	26.5 ... 40 GHz	1.5 / 1.8	31.8 / 35 ±3	20 / 20			
BLMA 1840-2D	18 ... 40 GHz				150	2 HU, 430 mm	11
	18 ... 26.5 GHz	2 / 2.2	33 / 36 ±3	20 / 20			
	26.5 ... 31 GHz	2 / 2.2	33 / 36 ±3	20 / 20			
	31 ... 38 GHz	2 / 2.2	33 / 36 ±3	20 / 20			
	38 ... 40 GHz	1.4 / 1.7	30 / 33 ±3	20 / 20			

For individual data sheets, please click on the above model name

1 HU = 44.45 mm

STANDARD SPECIFICATIONS

Input Power:	0 dBm (1 mW) max.
Overdrive Protection:	up to +10 dBm for no damage
Input Impedance:	50 Ohm nominal
Output Impedance:	50 Ohm nominal
Input VSWR:	<2:1 typ.
Load VSWR:	infinite for no damage (100% mismatch tolerant)
	P_N -0.5 dB min. at VSWR 2:1
Spurious (at P_N):	-50 dBc typ. (excluding harmonics)
Class of Operation:	A-linear or AB-linear

GENERAL

RF Input:	<12 GHz	N-f, standard on rear panel
	12 bis 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
RF Output:	<12 GHz	N-f, standard on rear panel
	12 to 18 GHz	SMA-f, standard on front panel
	>18 GHz	2.92 mm-f, standard on front panel
Mains Supply:	Line Power:	
	Line Power	
	<800 VA	100 ... 240 V AC ±10%
	800 ... 3000 VA	200 ... 240 V AC ±10%
	>3000 VA	3x 400 V AC ±10%
Elapsed Time Meter:	via status display	
Ambient Temperature:	0 ... +45 °C	
Storage Temperature:	-20 ... +85 °C	
Relative Humidity:	up to 95% (non-condensing)	
Operating Altitude:	up to 2000 m above sea level	
Vibration and Shock:	MIL-STD-810 F	
Cooling:	forced air with integral blower	
	air intake from front, air exhaust at rear	

OPTIONS

A) RF-Sample Ports *)	L) LAN Remote Control
B) External Dual Directional Coupler	N) Harmonics Filtering *)
C) IEEE-488.2 GPIB Remote Control	R) RS-232C Remote Control
D) Front Panel RF Connectors	S) Internal RF Switching Unit *)
E) RF Power Indication (digital) *)	U) USB Remote Control
F) Gain Adjustment *)	W) Liquid Cooling
G) Output Isolator *)	X) External Control of other Amplifiers
H) DC Supply	
I) 3x 208 V AC / 60 Hz	

*) These options may reduce output power and/or gain