

BPA 1 ... 1.7 GHz Pulsed Solid State Amplifiers

STANDARD MODELS

Model	Frequency Range	Output Power P _P min / Duty W pk / %	Pulse Width max. **)	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BPA 1017-6000	1 ... 1.7 GHz	6000 / 5	100 µs	67.8 / 71 ±3	20 / 20	14000	16 HU, 800 mm	240

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
PRF:	1 kHz
Pulse Droop:	1.0 dB max.
Spurious (at P _N):	-60 dBc min. (excluding harmonics)
Class of Operation:	AB-linear

GENERAL

RF Input:	N-f, standard on rear panel
RF Output:	7-16-f, standard on rear panel
Mains Supply:	3x 400 V AC ±10%, 47 ... 63 Hz
Elapsed Time Meter:	via status display
Ambient Temperature:	0 ... +45 °C
Storage Temperature:	-25 ... +85 °C
Relative Humidity:	up to 95% (non-condensing)
Operating Altitude:	up to 2000 m above sea level
Vibration and Shock:	MIL-STD-810 G
Cooling:	forced air with integral blower
	air intake from front, air exhaust at rear
	Option W: Liquid cooling
	External heat exchanger required

OPTIONS

A) Sample Ports *)	R) RS-232C/RS-485 Remote Control
B) External Dual Directional Coupler	S) Internal RF Switching Unit *)
C) IEEE-488.2 GPIB Remote Control	U) USB Remote Control
D) Front Panel RF-Connectors	W) Liquid Cooling

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E) RF Power Indication (digital) *)

F) Gain Adjustment *)

G) Output Isolator *)

H) DC-Supply

I) 3x 208 V AC / 60 Hz

L) LAN Remote Control

X) External Control of other Amplifiers

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

**) Optionally other pulse width available