

BPA / TWAP

8 ... 18 GHz

Pulsed Amplifiers

Standard Models

Model	Frequency Range	Output Power P _P min / Duty W / %	Gain typ dB	Harmonics 2nd / 3rd dBc typ	Line Power W	Dimensions (H,D) 19"-System	Weight kg
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%	70.5 ±7.5	7 / 15	1600	4 HU, 630 mm	35
	9.5 ... 10.5 GHz	1500					
TWAP 0818-2500	8 ... 18 GHz	2500 6%	71.5 ±7.5	7 / 15	2000	8 HU, 630 mm	50

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:	2:1 max. for P _N -0,5 dB infinite for no damage
Pulse Width	0.2 ... 20 μs optionally other ranges available
PRF	1000 W: 20 kHz max. optionally: 100 kHz max.

BONN Elektronik GmbH – BPA / TWAP 8 ... 18 GHz

Rise-/Falltime	100 ns
Droop	0.5 dB
Pulse to Pulse Stability:	0.1 dB
Spurious (at PP):	-50 dBc typ.(excluding harmonics)
Class of Operation:	A-linear

General:

RF Input:	N-f; standard on rear panel
RF Output (4 GHz):	standard on rear panel 2 kW: N-f > 2 kW: 7-16-f
RF Output (>4 GHz):	standard on rear panel 4 ... 8 GHz: WRD 350 8 ... 12 GHz: WR 90 8 ... 18 GHz: WRD 750 12 ... 18 GHz, WR 62
RF Monitor Output	-50 dB forward
Pulse Input:	BNC-f; standard on rear panel
Mains Supply:	100 ... 264 V AC / 47 ... 63 Hz
Elapsed Time Meter:	integrated
Ambient Temperature:	0 ... +45 °C
Storage Temperature:	-20 ... +70 °C
Relative Humidity:	up to 95% (non-condensing)
Operating Altitude:	up to 2000 m above sea level
Vibration and Shock:	normal laboratory environment
Cooling:	forced air with integral blower, air intake at front and air exhaust at rear

Options:

A) Reverse Monitor

P) Extended Pulse Width

- B) External Dual Directional Coupler
- C) IEEE–488.2 GPIB Remote Control
- G) Harmonic Filter

- R) RS–232C Remote Control
- U) USB Remote Control

Specifications are subject to change without notice

