

BPA / TWAP

1 ... 2,5 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 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

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 μ s optionally other ranges available
P_{RF}	1000 W: 20 kHz max. optionally: 100 kHz max.
Rise-/Falltime	100 ns
Droop	0.5 dB
Pulse to Pulse Stability:	0.1 dB
Spurious (at P_P):	-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	R) RS-232C Remote Control
C) IEEE-488.2 GPIB Remote Control	U) USB Remote Control
G) Harmonic Filter	

Specifications are subject to change without notice

