

BPA / TWAP

8 ... 12,4 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 0812–2500	8 ... 12,4 GHz	2500 6%	71.5 ±7.5	10 / 15	1600	4 HU, 630 mm	35
TWAP 0812–4000	8 ... 12,4 GHz	4000 8%	73.5 ±7.5	10 / 20	2000	4 HU, 630 mm	40
TWAP 0812–8000	8 ... 12,4 GHz	8000 8%	76.5 ±7.5	15 / 20	4000	12 HU, 800 mm	100

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
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 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
 B) External Dual Directional Coupler
 C) IEEE-488.2 GPIB Remote Control
 G) Harmonic Filter
 P) Extended Pulse Width
 R) RS-232C Remote Control
 U) USB Remote Control

Specifications are subject to change without notice

