

### STANDARD MODELS

Model	Frequency Range	Output Power P <sub>P</sub> min / Duty W / %	Gain typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
TWAP 0812-2500	8 ... 12.4 GHz	2500 / 6	72 ±7.5	10 / 15	1500	4 HU, 630 mm	35
TWAP 0812-5000	8 ... 12 GHz	5000 / 6	75 ±7.5	10 / 20	1600	4 HU, 630 mm	38
	12 ... 12.4 GHz	4000 / 6	74 ±7.5	10 / 20			
TWAP 0812-8000	8 ... 12.4 GHz	8000 / 6	77 ±7.5	15 / 20	4000	12 HU, 800 mm	100

1 HU = 44.45mm

### 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. für P <sub>N</sub> -0.5 dB;
	infinite for no damage
Spurious (at P <sub>N</sub> ):	-50 dBc typ. (excluding harmonics)
Noise:	1 ... 18 GHz      -20 dBm / MHz
	18 ... 40 GHz     -35 dBm / MHz
Class of Operation:	A-linear

### GENERAL

RF Input:	1 ... 18 GHz	N-f; standard on rear panel
	18 ... 40 GHz	2.92 mm-f; standard on rear panel
RF Output:	1 ... 8 GHz	N-f
	6 ... 18 GHz	WRD 650
	8 ... 18 GHz	WRD 750
	18 ... 40 GHz	WRD 180
Sample Port:	-50 dB forward	
Mains Supply:	200 ... 264 V AC	47 ... 63 Hz
Ambient Temperature:	0 ... +40 °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:	normal laboratory environment	
Cooling:	forced air with integral blower air intake and exhaust at rear	

### OPTIONS

A) RF Monitor Outputs

G) Output Isolator

# TWAP 8 ... 12 GHz Pulsed TWT Amplifiers

- B) External Dual Directional Coupler
- C) IEEE-488.2 GPIB Remote Control
- D) Front Panel RF Connectors
- E) Power Indication (digital)
- F) Gain Adjustment
- L) LAN Remote Control
- N) Harmonic Filter
- R) RS-232C Remote Control
- U) USB Remote Control