

STANDARD MODELS

| Model | Frequency Range | Output Power P _P min / Duty W / % | Pulse Width max. **) | Gain typ dB | Harmonics 2nd / 3rd dBc | Line Power VA | Dimensions (H, D) 19"-System | Weight kg |
|-----------------|-----------------|--|-------------------------|-------------------|-------------------------------|------------------|------------------------------------|--------------|
| TWAP 1218-3500 | 12.4 ... 18 GHz | 3500 / 6 | 50 µs | 71 ±5 | 15 / 15 | 1500 | 4 HU, 630 mm | 35 |
| TWAP 1218-3500L | 12.4 ... 18 GHz | 3500 / 6 | 50 µs | 71 ±5 | 15 / 15 | 1500 | 6 HU, 800 mm | 48 |
| TWAP 1218-6000 | 12.4 ... 18 GHz | 6000 / 6 | 50 µs | 73 ±5 | 20 / 20 | 3000 | 12 HU, 800 mm | 100 |

For individual data sheets, please click on the above model name

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-RF: | P _N -0.5 dB min. at VSWR 2:1 |
| Spurious (at P _N): | 100 kHz max. |
| Class of Operation: | -50 dBc typ. (excluding harmonics) |
| | A-linear |

GENERAL

| | | |
|----------------------|--|------------------------------------|
| RF Input: | <8 GHz | N-f, standard on rear panel |
| | 8 to 18 GHz | SMA-f, standard on front panel |
| | >18 GHz | 2.92 mm-f, standard on front panel |
| RF Output: | <8 GHz | 7-16-f, standard on rear panel |
| | 4 to 8 GHz | WRD 350, standard on rear panel |
| | 8 to 12 GHz | WR 90, standard on rear panel |
| | 8 to 18 GHz | WRD 750, standard on rear panel |
| | 12 to 18 GHz | WR 62, standard on rear panel |
| Mains Supply: | PLine up to 3 kVA | 200 ... 240 V AC |
| | PLine >3 kVA | 3x 400 V AC |
| Elapsed Time Meter: | via status display | |
| Ambient Temperature: | 0 ... +45 °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: | MIL-STD-810 G | |
| Cooling: | forced air with integral blower | |
| | air intake from front, air exhaust at rear | |

OPTIONS

| | |
|--------------------------------------|---------------------------|
| A) Sample Ports *) | L) LAN Remote Control |
| B) External Dual Directional Coupler | R) RS-232C Remote Control |

TWAP 12.4 ... 18 GHz Pulsed TWT Amplifiers

C) IEEE-488.2 GPIB Remote Control
D) Front Panel RF Connectors
E) RF Power Indication (digital) *)
F) Gain Adjustment *)
G) Output Isolator *)
H) DC Supply
I) 3x 208 V AC / 60 Hz
J) 100 V AC

S) Internal RF Switching Unit *)
U) USB Remote Control
W) Liquid Cooling
X) External Control of other Amplifiers

*) These options may reduce output power and/or gain
**) Optionally other pulse width available