

STANDARD MODELS

| Model | Frequency Range | Output Power P _P min / Duty W / % | Pulse Width max. **) | Gain min / typ dB | Harmonics 2nd / 3rd dBc | Line Power VA | Dimensions (H, D) 19"-System | Weight kg |
|----------------|-----------------|--|-------------------------|-------------------------|-------------------------------|------------------|------------------------------------|--------------|
| TWAP 0818-3000 | 8 ... 18 GHz | 3000 / 6 | 50 μs | 64.8 / 72.5 ±7.5 | 8 / 10 | 3000 | 12 HU, 800 mm | 108 |

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 _N -0.5 dB min. at VSWR 2:1 |
| PRF at 1 μs Pulswidth: | 100 kHz (Duty e.g. 6%) |
| PRF at 100 μs Pulswidth: | 1 kHz (Duty e.g. 6%) |
| Spurious (at P _N): | -60 dBc min. (excluding harmonics) |
| Class of Operation: | A-linear |

GENERAL

| | |
|----------------------|---|
| RF Input: | N-f, standard on rear panel |
| RF Output: | WRD 750, standard on rear panel |
| Mains Supply: | 3x 400 V AC ±10%, 47 ... 63 Hz |
| Elapsed Time Meter: | via status display |
| Ambient Temperature: | 0 ... +45 °C |
| Storage Temperature: | -25 ... +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 Option W: Liquid cooling External heat exchanger required |

OPTIONS

| | |
|--------------------------------------|----------------------------------|
| A) Sample Ports *) | L) LAN Remote Control |
| B) External Dual Directional Coupler | R) RS-232C/RS-485 Remote Control |
| C) IEEE-488.2 GPIB Remote Control | S) Internal RF Switching Unit *) |
| D) Front Panel RF Connectors | U) USB Remote Control |

TWAP 8 ... 18 GHz Pulsed TWT Amplifiers

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

W) Liquid Cooling
X) External Control of other Amplifiers

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