

STANDARD MODELS

| Model | Frequency Range | Output Power P_N min / typ W | Gain min / typ dB | Harmonics 2nd / 3rd dBc | Line Power VA | Dimensions (H, D) 19"-System | Weight kg |
|----------------|-----------------|--------------------------------------|-------------------------|-------------------------------|------------------|------------------------------------|--------------|
| TWAL 1826-40E | 18 ... 26.5 GHz | 40 / 60 | 46 / 52 ±6 | 20 / 20 | 750 | 4 HU, 630 mm | 35 |
| 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_N -0.5 dB; |
| | infinite for no damage |
| Spurious (at P_N): | -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 |
| B) External Dual Directional Coupler | L) LAN Remote Control |
| C) IEEE-488.2 GPIB Remote Control | N) Harmonic Filter |
| D) Front Panel RF Connectors | R) RS-232C Remote Control |
| E) Power Indication (digital) | U) USB Remote Control |
| F) Gain Adjustment | |