

## 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 1826-40	18 ... 26.5 GHz	40 / 60	46 / 52 ±6	20 / 20	750	3+5 HU, 610 mm	41
TWAL 1826-120	18 ... 26.5 GHz	120 / 150	50.8 / 57 ±6	20 / 20	750	6 HU, 630 mm	38

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 Figure:	20 dB max.
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 kW):	standard on rear panel	
	>1 ... 10 GHz	N-f
	8 ... 18 GHz	WRD 750
	18 ... 26,5 GHz	WR 42
	26,5 ... 40 GHz	WR 28
RF Output (>1 kW):	standard on rear panel	
	1 ... 8 GHz	7-16-f
	8 to 18 GHz	WRD 750
Gain Adjustment:	<4 GHz	via status display
	>4 GHz	via thumbwheel
RF Monitor Output	-50 dB forward	
Mains Supply:	200 ... 264 V AC	47 ... 63 Hz
Power Meter:	via status display	
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:	normal laboratory environment	
Cooling:	forced air with integral blower air intake and exhaust at rear	

## OPTIONS

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|--------------------------------------|--|
| A) Reverse Monitor                   | N) Harmonic Filter                                 |
| B) External Dual Directional Coupler | R) RS-232C Remote Control                          |
| C) IEEE-488.2 GPIB Remote Control    | U) USB Remote Control                              |
| G) Output Isolator                   |  |
| L) LAN Remote control                | 1) Combiner is limiting the actual frequency range |
| M) 115 V AC / 47 ... 63 Hz           |  |