

SPECIFICATIONS

Model 25W1000A

POWER OUTPUT, CW

Nominal.....	40 watts
Minimum.....	25 watts
Linear @ 1dB compression.....	20 watts minimum

FLATNESS.....	± 1.5 dB maximum ± 1.0 dB typical
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FREQUENCY RESPONSE.....	1-1000 MHz instantaneously
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INPUT FOR RATED OUTPUT.....	1.0 milliwatt maximum
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GAIN (at maximum setting).....	44 dB minimum
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GAIN ADJUSTMENT (continuous range).....	10 dB minimum
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INPUT IMPEDANCE.....	50 ohms, VSWR 2.0:1 maximum
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OUTPUT IMPEDANCE.....	50 ohms, nominal
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MISMATCH TOLERANCE *	100% of rated power without foldback. Will operate without damage or oscillation with any magnitude and phase of source and load impedance.
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MODULATION CAPABILITY.....	Will faithfully reproduce AM, FM, or pulse modulation appearing on the input signal
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HARMONIC DISTORTION.....	Minus 20 dBc maximum at 25 watts
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THIRD ORDER INTERCEPT POINT.....	52 dBm typical
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PRIMARY POWER (selected automatically)	90-132, 180-264 VAC 50/60 Hz 325 watts maximum
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CONNECTORS

RF Input.....	Type N female on front panel
RF Output.....	Type N female on front panel
Remote Control.....	25 pin female Subminiature D on rear panel

COOLING.....	Forced air (self contained fans)
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WEIGHT.....	16.0 kg (35 lb)
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SIZE (WxHxD).....	50.3 x 15.5 x 30.0 cm 19.8 x 6.1 x 11.8 in
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* See Application Note #27