



Wideband GaN Amplifiers Modules

STANDARD MODELS

Model	Frequency Range	Output Power	Input Power	Small Signal Gain	Gain Flatness	Gain Adj	Input VSWR
	GHz	min / max / typ W	max dBm	min dB	max dB	max dB	typ / max
MTM8996-1	89 ...96	0.25/1.2/1	5	33	±3	NA	2/2.5
Model	Output VSWR	2nd Harmonic Power @ Psat	3rd Harmonic Power @ Psat	Spur @ Psat	IM3	Noise Floor	Stability
	typ / max	typ / max dBc	typ / max dBc	typ / max dBc	typ / max dBc	typ / max dBm/MHz	yes / no
MTM8996-1	2/3	-15/-10	-10	-65/-60	NA	-45/-40	Y
Model	VSWR Load	Line Power					
		VA					
MTM8996-1	3	50					

STANDARD SPECIFICATIONS

Overdrive Protection: up to +5 dBm for no damage
 Input Impedance: 50 Ohm nominal
 Output Impedance: 50 Ohm nominal
 Noise Figure: 20 dB max.
 Class of Operation: AB-linear

GENERAL

RF Input: WR-10;
 RF Output: WR-10;
 Mains Supply: <50 VA DC 15V
 Ambient Temperature: 0 ... +45 °C
 Storage Temperature: -20 ... +65 °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