



Wideband GaN Amplifiers Modules

STANDARD MODELS

Model	Frequency Range GHz	Output Power	Input Power	Small Signal Gain	Gain Flatness	Gain Adj	Input VSWR
		min / max / typ W	max dBm	min / typ dB	max dB	max dB	typ / max
MTM90110-1	90 ...110	0.25/1.2/1	5	30/35	±4	NA	2/2.5
Model	Output VSWR typ / max	2nd Harmonic Power @ Psat typ / max dBc	3rd Harmonic Power@ Psat max dBc	Spur @ Psat typ / max dBc	IM3 typ / max dBc	Noise Floor typ / max dBm/MHz	Stability yes / no
MTM90110-1	2/3	-15/-10	-10	-65/-60	NA	-45/-40	Y
Model	VSWR Load	Line Power VA					
MTM90110-1	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	