



Wideband GaN Amplifiers Modules

STANDARD MODELS

Model	Frequency Range GHz	Output Power min / max / typ W	Input Power max dBm	Small Signal Gain min dB	Gain Flatness max dB	Gain Adj max dB	Input VSWR typ / max
MTM75110-1	75 ...110	0.1/1.2/1	5	33	±5	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
MTM75110-1	2/3	-15/-10	-10	-65/-60	NA	-45/-40	Y
Model	VSWR Load	Line Power VA					
MTM75110-1	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