



Wideband GaN Amplifiers Modules

STANDARD MODELS

Model	Frequency Range GHz	Output Power min max W	Input Power max dBm	Small Signal Gain min dB	Gain Flatness max dB	Gain Adj max dB	Input VSWR typ / max
MTM0206-20	2 ... 6	20	0	45	±2.5	NA	1.5/2
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
MTM0206-20	2/2.5	-15/-12	-20	-65/-60	29/25	-45/-40	Y
Model	VSWR Load	Line Power VA					
MTM0206-20	3	300					

STANDARD SPECIFICATIONS

Overdrive Protection:	up to 0 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:	SMA-f/N-F;
RF Output:	SMA-f/N-F;
Mains Supply:	<300 VA DC 28V
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