



Wideband GaN Amplifiers Modules

STANDARD MODELS

Model	Frequency Range GHz	Output Power min W	Input Power max dBm	Small Signal Gain min / typ dB	Gain Flatness max dB	Gain Adj max dB	Input VSWR typ / max
MTM0218-10	2 ... 18	10	0	43	±5	NA	1.5/2
MTM0218-16	2 ... 18	16	0	45	±5	NA	1.5/2
MTM0218-20	2 ... 18	20	0	46	±5	NA	1.5/2
MTM0218-30	2 ... 18	30	0	48	±5	NA	1.5/2
MTM0218-40	2 ... 18	40	0	49	±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
MTM0218-10	2.5/3	-15/-10	-10	-65/-60	20/17	-50/-40	Y
MTM0218-16	2.5/3	-15/-10	-10	-65/-60	20/17	-50/-40	Y
MTM0218-20	2.5/3	-15/-10	-10	-65/-60	20/17	-45/-40	Y
MTM0218-30	2.5/3	-15/-10	-10	-65/-60	20/17	-40/-37	Y
MTM0218-40	2.5/3.5	-15/-10	-10	-65/-60	20/17	-45/-40	Y
Model	VSWR Load	Line Power VA	Dimensions (W,H, D)	Weight typ Kg			
MTM0218-10	3	300	6.3 x3.15 x1.18	0.65			
MTM0218-16	3	300	TBD	TBD			
MTM0218-20	3	300	TBD	TBD			
MTM0218-30	3	500	TBD	TBD			
MTM0218-40	3	600	TBD	TBD			

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;	
RF Output:	SMA-f;	
Mains Supply:	<600 VA	DC 28V
Ambient Temperature:	0 ... +45 °C	
Storage Temperature:	-20 ... +65 °C	



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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

OPTIONS

