MTM 2... 8GHz

Wideband GaN Amplifiers Module

STANDARD MODELS

Model	Frequency Range	Output Power	Input Power	Small Signal Gain	Gain Flatness	Gain Adj	Input VSWR
		min	max	min	max	max	typ / max
	GHZ	W	dBm	dB	dB	dB	
MTM0208-10	2...8	10	0	44	±2.5	NA	1.5/2
MTM0208-40	2...8	40	0	49	±2.5	NA	1.5/2
MTM0208-50	2...8	50	0	50	±2.5	NA	1.5/2

Model	Output VSWR	2nd Harmonic Power @ Pout	3rd Harmonic Power@ Pout	Spur @ Pout	IM3	Noise Floor	Stability
	typ / max	typ / max	max	typ / max	typ / max	typ / max	yes / no
		dBc	dBc	dBc	dBc	dBm/MHz	
MTM0208-10	2.5/3	-15/-10	-10	-65/-60	NA	-45/-40	Y
MTM0208-40	2.5/3	-15/-10	-10	-65/-60	NA	-45/-40	Y
MTM0208-50	2.5/3	-15/-10	-10	-65/-60	NA	-45/-40	Y

Model	VSWR Load	Line Power	Dimensions (H, D)	Weight typ
		VA		kg
MTM0208-10	3	300	TBD	TBD
MTM0208-40	3	600	TBD	TBD
MTM0208-50	3	800	TBD	TBD

STANDARD SPECIFICATIONS

Overdrive Protection:	up to +10 dBm for no damage
Input Impedance:	50 Ohm nominal
Output Impedance:	50 Ohm nominal
Noise Figure:	10 dB max.
Class of Operation:	AB-linear

GENERAL

RF Input:	SMA-f; standard on front panel
RF Output:	SMA-f; standard on front panel
Mains Supply:	<600 VA 28 V AC
Ambient Temperature:	0 ... +45 °C
Storage Temperature:	-20 ... +65 °C

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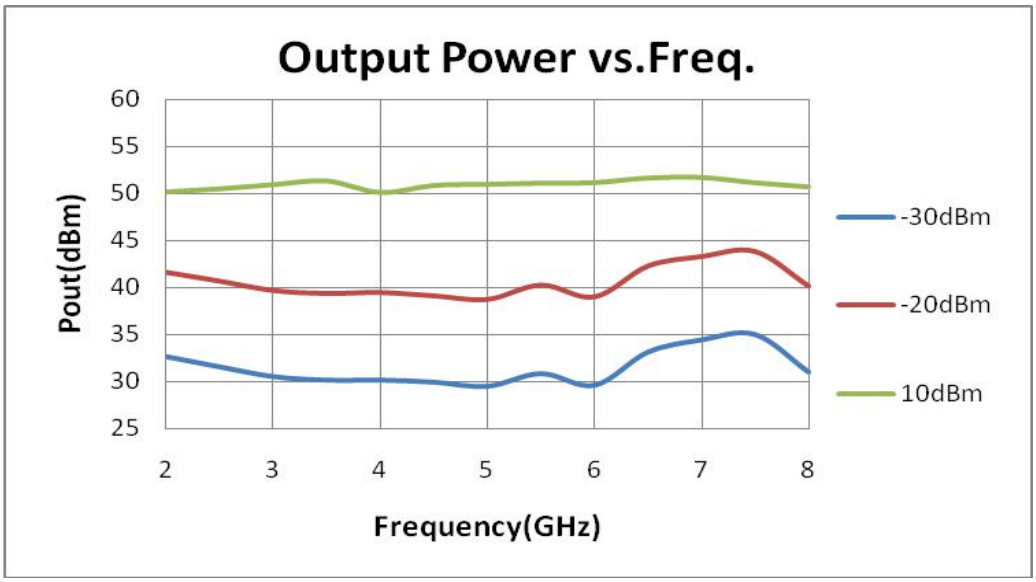
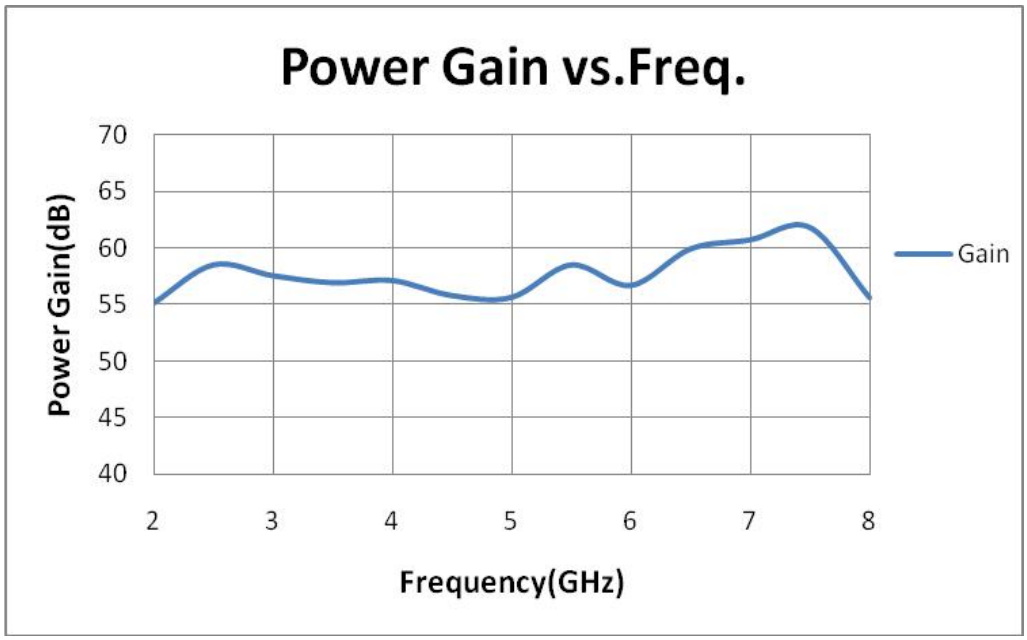
Relative Humidity:	up to 95% (non-condensing)
Operating Altitude:	up to 2000 m above sea level
Vibration and Shock:	normal laboratory environment
Cooling:	forced air with integral blower
	air intake and exhaust at rear

ACTUAL TESTING DATA

2-8GHz 100W test data





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