

PRODUCT DATASHEET v4

MP3C 2.5GHz-6.0GHz 30W PA



- 2.5GHz to 6GHz
- 30W Psat Power
- Compact light weight module
- Fast Switching
- Intermodulation -25dBc

MP3C 2.5GHz to 6GHz is a wideband GaN Power Amplifier suitable for use in a variety of ECM applications, particularly where size and broadband high frequency power is important on the application platform.

PARAMETER	MINIMUM	MAXIMUM	TYPICAL	COMMENTS
Frequency	2.5GHz	6GHz		
Power Psat	25W	35W	30W	
Power P1dB			10W	
Gain	45dB		50dB	
Gain variation			±2.0dB	@Psat
2 nd Harmonics		-20dBc	-25dBc	@ Psat
3 rd Harmonics		-30dBc	-40dBc	@ Psat
Current Consumption		4.5A	4A	Supply Voltage 28V
Efficiency @ Psat	25%		30%	
Enable Rise Time		<500ns		(3V3)
Intemodulation (1MHz)		-20dBc	-25dBc	Two 5W tones
Intermodulation (10MHz)		-18dBc	-20dBc	Two 5W tones
Dimensions LxWxH				120mm x 55mm x 30mm
Weight			250g	
Connectors				SMA & 9 Pin D-type
Operating Temperature	-20°C	+80°C		Temperature measured at PA Case
Open/short Survivability				10:1 VSWR at all phase angles

