MAPM-020512-010C00



Broadband UHF/VHF Power Module 20 - 512 MHz, 10W

M/A-COM Products Preliminary - 12/06/07

Features

Broadband operation 20 - 512 MHz

Output power: 10W CW
 Power gain: ≥ 25dB
 Built - in gain control
 AM Modulation capable

· Rugged construction for extreme environments

Suitable for most commercial and industrial applications

2.13" MAX VHF POWER MODULE MAPM-020512-010C00 S/N XXXXX/**** 7 1 0.50" MAX ° • • • • • • •

Absolute Maximum Ratings

Parameter	Rating	Units
Supply Voltage	30	V
Input Power	20	dBm
Output Power	20	W
Bias Current	1.0	Α
Operating Case Temperature	-40 - 100	°C
Storage Temperature	-50 - 100	°C

Electrical Specifications: T_c= 25 + 5 °C

Parameter	Test Conditions	Min	Тур	Max	Units
Output Power (CW)	V _D = 27 V, V _{ALC} = 7.0V	-	10	-	W
Power Gain	V _D = 27 V, V _{ALC} = 7.0V	-	25	-	dB
Gain Control Range	V _D = 27 V, V _{ALC} = 0.0 - 10.0V	-	60	-	dB
Gain Variation With Frequency	V _D = 27 V, V _{ALC} = 7.0V	-	<u>+</u> 3.0	-	dB
Input VSWR	V _D = 27 V, V _{ALC} = 7.0V	-	3:1	-	VSWR
Load Mismatch Tolerance	V _D = 27 V, V _{ALC} = 7.0V, P _{OUT} = 4W	-	3:1	-	VSWR
Even Harmonics	V _D = 27 V, V _{ALC} = 7.0V, P _{OUT} = 4W	-	-	-25	dBc
Odd Harmonics	V _D = 27 V, V _{ALC} = 7.0V, P _{OUT} = 4W	-	-	-15	dBc
Spurious Output	V _D = 27 V, V _{ALC} = 7.0V, P _{OUT} = 4W	-	-	- 80	dBc

- North America Tel: 800.366.2266 / Fax: 978.366.2266
- Europe Tel: 44.1908.574.200 / Fax: 44.1908.574.300
- Asia/Pacific Tel: 81.44.844.8296 / Fax: 81.44.844.8298
 Visit www.macomtech.com for additional data sheets and product information.

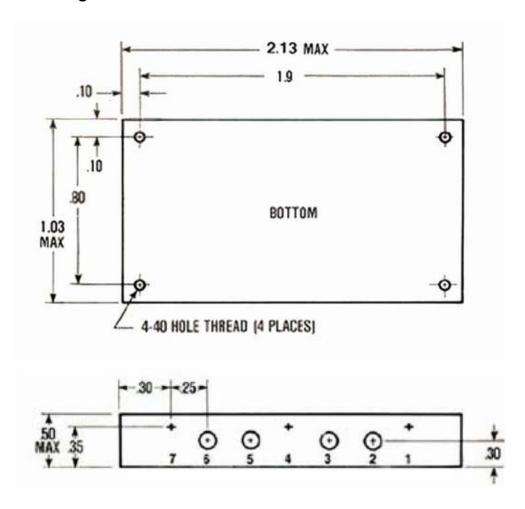
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Outline Drawing



Nickel Plated Aluminum Housing

PIN	FUNCTION	
1, 4, 7	GROUND	
2	RF INPUT	
3	GAIN CONTROL, 0 to +10V	
5	VDC INPUT, 28V NOM.	
6	RF OUTPUT	

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