



Surface Mount Isolator 2.11 GHz—2.17 GHz

MAFRIN0407

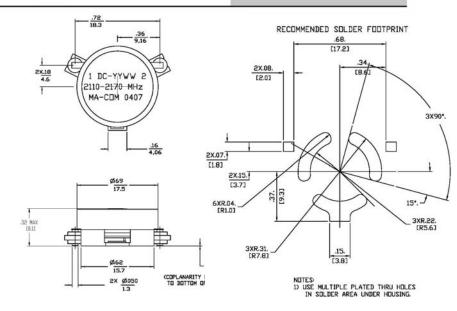
۷1

Features

- · Designed for wireless base station market
- 25dB Isolation typical
- 0.25dB Insertion Loss typical
- Low cost package
- RoHS compliant

Description

This isolator is designed specifically for wireless base station applications and features high reliability performance at a low cost. It is in a low cost package ideally suited for high volume manufacturing. M/A Com is one of the largest suppliers of isolators and circulators in the world.



Electrical Specifications

 $T = T_{op}^{1}, Z_{0} = 50 \text{ Ohms}$

Parameter	Test Conditions	Units	Min	Typ @25°C	Max
Frequency Range		GHz	2.11		2.17
Insertion Loss	2.11 GHz—2.17 GHz	dB		0.25	0.35
Isolation	2.11 GHz—2.17 GHz	dB	20.0	25.0	
Return Loss (Port 1 & 2)	2.11 GHz—2.17 GHz	dB	20.0	25.0	
Circulation				Clockwise	

1. See "Absolute Maximum Ratings" for Top.

Absolute Maximum Ratings

Parameter	Absolute Maximum		
Forward Power, CW	100 Watts		
Reverse Power, CW	10 Watts		
Peak Forward Power	500 Watts		
Operating Temperature	-10°C to +70°C		
Storage Temperature	-40°C to +100°C		

1. Operation of this device above any one of these parameters may cause permanent damage.

information.

M/A-COM Inc. and its affiliates reserve the right to make changes to the product(s) or information contained herein without notice. M/A-COM makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does M/A-COM assume any liability whatsoever arising out of the use or application of any product(s) or

[•] 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