

Electronics

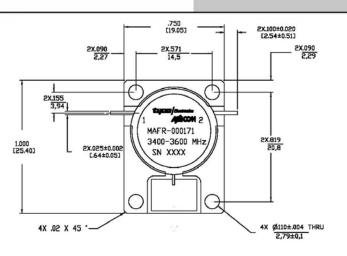
Single Junction Drop-In Isolator 3.4 GHz-3.6 GHz

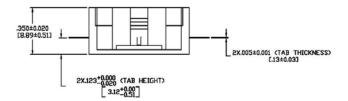
Features

- Designed for WiMax market •
- 25dB Isolation typical
- 0.20dB Insertion Loss typical •
- Low cost package •
- **RoHS** compliant
- Flat pack packaging

Description

This isolator is designed specifically for WiMax 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 isolator and circulators in the world.





Electrical Specifications $T = T_{on}^{1}$, $Z_{0} = 50$ Ohms

Parameter	Test Conditions	Units	Min	Тур @25°С	Мах
Frequency Range		GHz	3.4		3.6
Insertion Loss	3.4 GHz—3.6 GHz	dB		0.20	0.25
Isolation	3.4 GHz—3.6 GHz	dB	20.0	25.0	
Return Loss (Port 1 & 2)	3.4 GHz—3.6 GHz	dB	20.0	25.0	
Intermodulation	3.4 GHz—3.6 GHz	dBc	60.0	65.0	
Circulation			Clockwise		

1. See "Absolute Maximum Ratings" for Top.

Absolute Maximum Ratings

1

Parameter	Absolute Maximum		
Forward Power, CW	200 Watts		
Peak Forward Power	1000 Watts		
Reverse Power, CW	60 Watts max for 2 minutes max		
Operating Temperature	-40°C to +85°C		
Storage Temperature	-40°C to +100°C		

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 information.

• 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.macom.com for additional data sheets and product information.



MAFR-000171-5S3S1T

V1