



# Single Junction Drop-In Isolator 3.3 GHz—3.4 GHz

MAFR-000232-000001

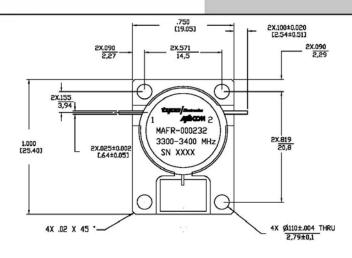
V1

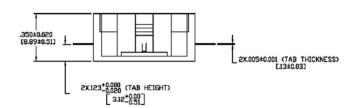
#### **Features**

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

Parameter	Test Conditions	Units	Min	Typ @25°C	Max
Frequency Range		GHz	3.3		3.4
Insertion Loss	3.3 GHz—3.4 GHz	dB		0.20	0.25
Isolation	3.3 GHz—3.4 GHz	dB	20.0	25.0	
Return Loss (Port 1 & 2)	3.3 GHz—3.4 GHz	dB	20.0	25.0	
Intermodulation	3.3 GHz—3.4 GHz	dBc	60.0	65.0	
Circulation			Clockwise		

<sup>1.</sup> See "Absolute Maximum Ratings" for Top.

### **Absolute Maximum Ratings**

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		

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