

**Single Junction Drop-In Isolator**  
**2.5 GHz—2.7 GHz**

**MAFR-000161-5S3S1T**

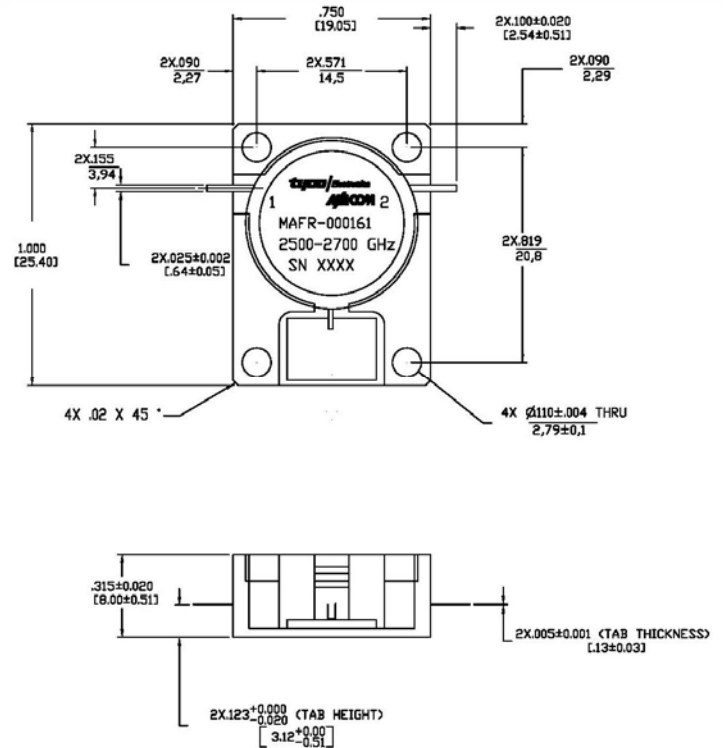
V1

**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**

$T = T_{op}^1$ ,  $Z_0 = 50$  Ohms

Parameter	Test Conditions	Units	Min	Typ @25°C	Max
Frequency Range		GHz	2.5		2.7
Insertion Loss	2.5 GHz—2.7 GHz	dB		0.20	0.25
Isolation	2.5 GHz—2.7 GHz	dB	20.0	25.0	
Return Loss (Port 1 & 2)	2.5 GHz—2.7 GHz	dB	20.0	25.0	
Intermodulation	2.5 GHz—2.7 GHz	dBc	60.0	65.0	
Circulation			Clockwise		

1. See "Absolute Maximum Ratings" for  $T_{op}$ .

**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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