

# MAFR-000161-5S3S1T

Isolator

2500 —2700 MHz

Rev: A



## Features

- ◆ RoHS Compliant
- ◆ BeO free
- ◆ Designed for WiMax
- ◆ Low Insertion loss

## Electrical Specifications<sup>1</sup>:

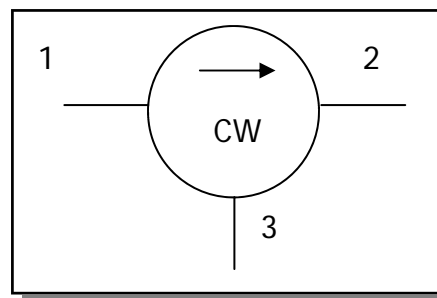
Parameter	Conditions	Units	Min	Typ	Max
Frequency Range		MHz	2500		2700
Impedance		$\Omega$		50	
Insertion Loss		dB			0.25
Isolation		dB	20		
Return Loss	All ports	dB	20		
Intermodulation, 3rd order <sup>2</sup>	2 x 30W CW tones, 5 MHz spacing	dBc		-65	-60

1. All specifications guaranteed over the frequency range and operating temperature range unless otherwise stated.
2. See Application Note ANI-001 for further details.

## Pin Configuration

Terminal	Designation	Function
1	Port 1	In
2	Port 2	Out
3	Port 3	Termination

## Functional Block Diagram



## Absolute Maximum Ratings

Parameter	Conditions	Units	Min	Max
Average Input Power		W		500
Peak Input Power		W		1000
Reverse Power	2 minutes maximum	W		60
Operating Temperature Range		$^{\circ}\text{C}$	-40	+85
Storage Temperature Range		$^{\circ}\text{C}$	-40	+100

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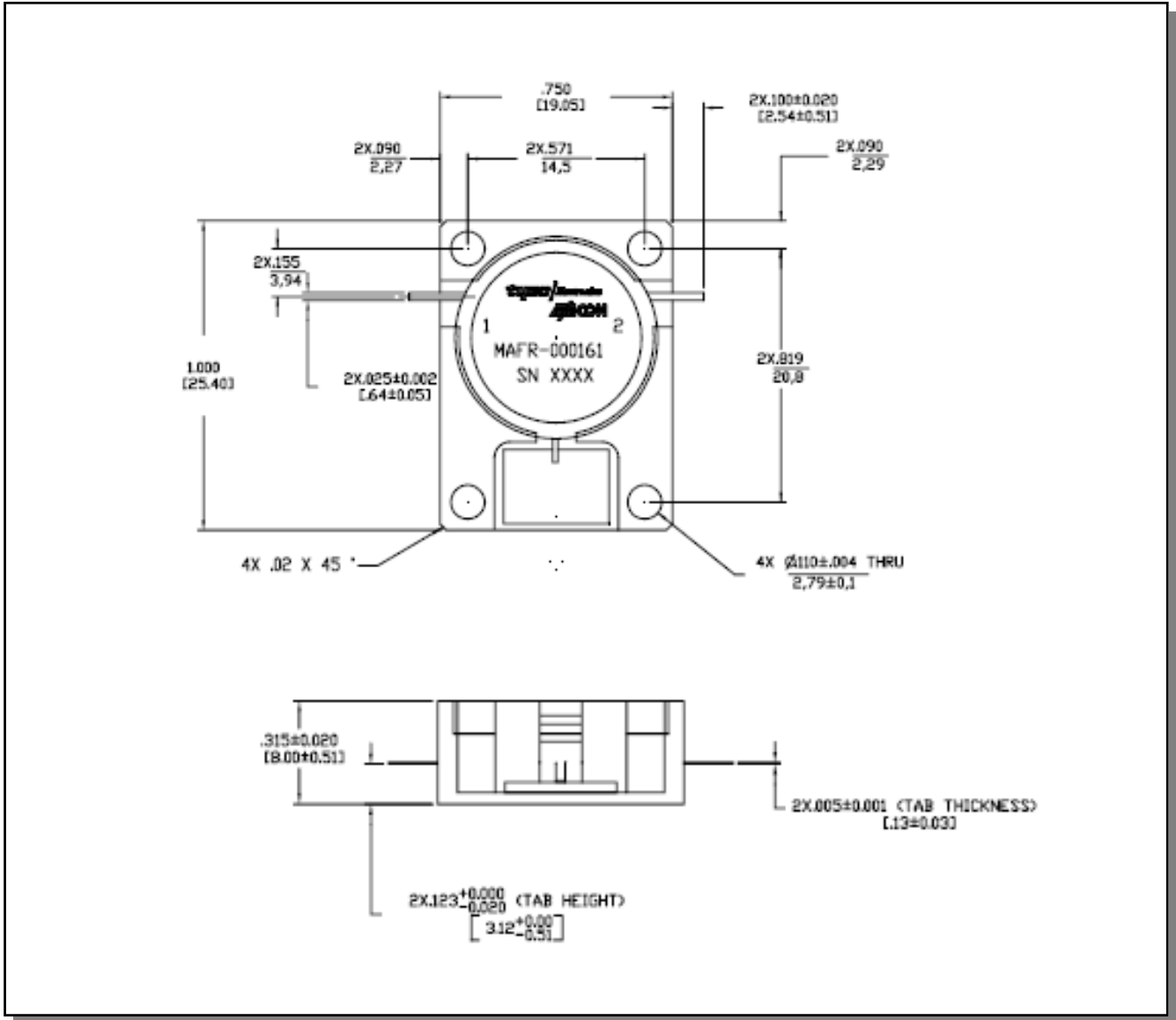
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## Outline Drawing



1. Tolerance: ±0.2mm unless otherwise noted.

### Plating

Section	Material	Plating
Leads	Copper	Silver
Housing	Steel	Silver

### ECO History

Rev	Date	Description	By
-	08/05/07	Production release as per ECO 20067540	Kenson Sun
A	03/10/2008	Updated IM spec	BH

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