

A1010 Triple Balanced Mixer

1.0 to 10.0 GHz

Technical Characteristics

Product Features
Multi-octave bandwidth
Broad frequency - input and output
Wide DC to IF frequency response
Low conversion loss
High port-to-port isolation

Maximum Ratings	
Storage Temperature	-65 to +150°C
Operating Temperature Peak	-55 to +125°C
Peak Input Power For Any Port	+24dBm Peak
Specifications @	25°C

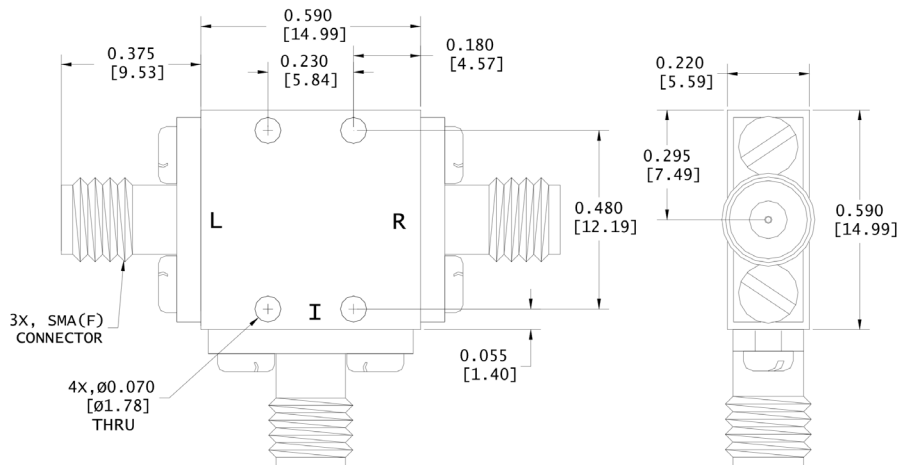
Parameters	Freq. (GHz)	Minimum	Typical	Maximum	Units	Conditions
Conversion Loss						
RF Input	1.0 to 10.0		6.0	7.0	dB	DC to 4.0 GHz
LO Input	1.0 to 10.0					
IF Output	0.5 to 4.0					
Isolation						
LO-RF		18.0	25.0		dB	
LO-IF		20.0	25.0		dB	
RF-IF		18.0	25.0		dB	
VSWR			2.5:1			
1dB Comp.Point						
LO Drive A1010M A1010N			10.0 15.0	18.0	dBm dBm	
3rd Order Intercept Point A1010M A1010N			14.0 18.0		dBm dBm	

NOTES:

1. Measured in a 50-ohm system with nominal LO drive and downconverter application only, unless otherwise specified. The I-Port frequency range extends to DC for phase detection, pulse modulation, or attenuator applications. I-Port VSWR degrades from a 50-ohm system at low IF frequencies.

2. Typical values are measured at +25°C and are not guaranteed.

Package outline 'Z'



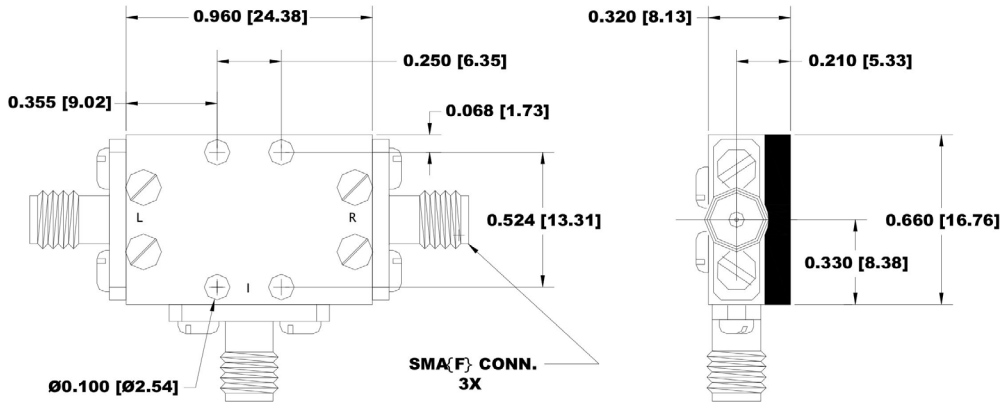
DISCLAIMER: Subject to change without notice.
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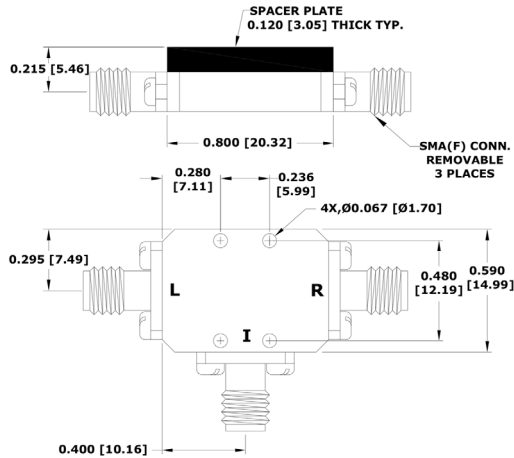
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Outline Drawings 1 of 2

Package outline 'B'



Package outline 'L'



Drop in Package outline 'E1'

