

# A1010ML 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

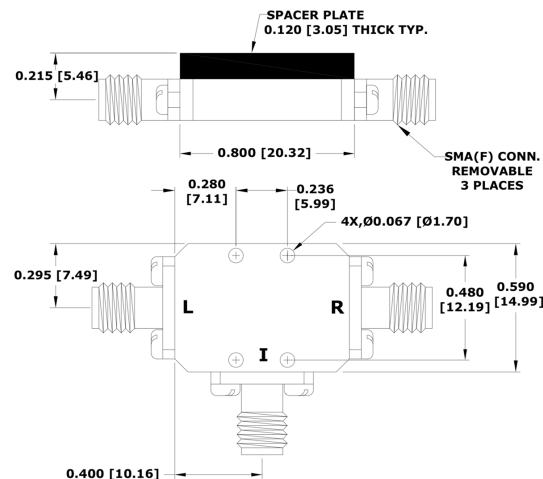
Parameters	Freq. (GHz)	Minimum	Typical	Maximum	Units	Conditions
<b>Conversion Loss</b>						
RF Input	1.0 to 10.0		9.5	11.5	dB	DC to 4.0 GHz
LO Input	1.0 to 10.0					
IF Output	0.5 to 4.0					
<b>Isolation</b>						
LO-RF		16	25		dB	
LO-IF		18	25		dB	
RF-IF		18	25		dB	
VSWR			2.5:1			
1dB Comp.Point						
LO Drive A1010M			10		dBm	
3rd Order Intercept Point A1010M			14		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 "L"



DISCLAIMER: Subject to change without notice.  
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