A2118MB Triple Balanced Mixer

2.0 to 18.0 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 +100°C
Operating Temperature Peak	-54 to +100°C
Peak Input Power For Any Port	+24dBm Peak
Specifications @	25°C

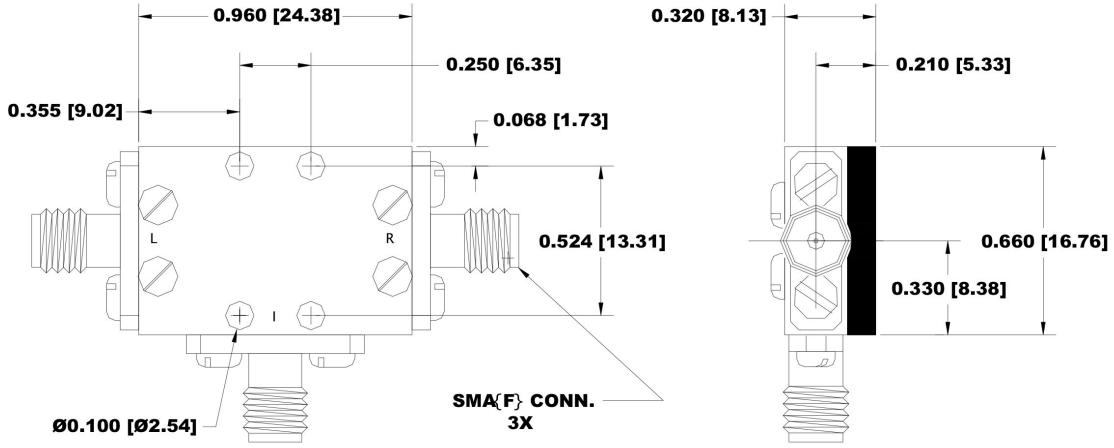
Parameters	Freq. (GHz)	Minimum	Typical	Maximum	Units	Conditions
Conversion Loss						
RF Input	2.0 to 18.0		8	9.5	dB	IF = 500 to 2000 MHz
LO Input	2.0 to 18.0					
IF Output	0.5 to 8.0					
Isolation						
LO-RF		18	25		dB	
LO-IF		16	25		dB	
RF-IF		18	25		dB	
VSWR			2.5:1			
1dB Comp.Point						
LO Drive A2118M			10	14	dBm	
3rd Order Intercept Point A2118M			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 "B"



Product Export Classification
ECCN: EAR 99 (unless otherwise specified)
HTS: 8541.10.0060

DISCLAIMER: Subject to change without notice.

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