

# A2002MB Triple Balanced Mixer

2.0 to 20.0 GHz

## Technical Characteristics

Product Features				Maximum Ratings		
Multi-octave bandwidth				Storage Temperature	-65 to +100°C	
Broad frequency - input and output				Operating Temperature Peak	-54 to +100°C	
Wide DC to IF frequency response				Peak Input Power For Any Port	+24dBm Peak	
Low conversion loss				Specifications @	25°C	
High port-to-port isolation						

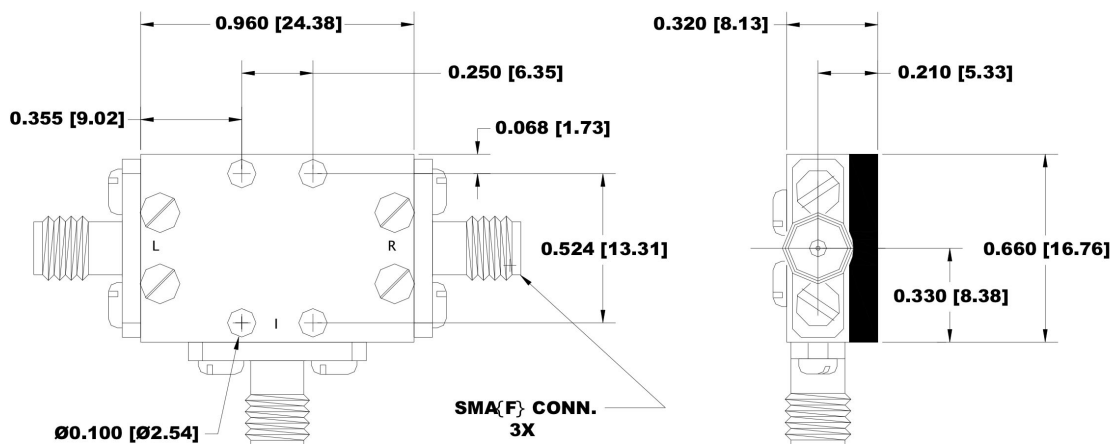
Parameters	Freq. (GHz)	Minimum	Typical	Maximum	Units	Conditions
Conversion Loss						
RF Input	2.0 to 20.0		8	10	dB	
LO Input	2.0 to 20.0					
IF Output	2.0 to 8.0					
Isolation						
LO-RF		18	25		dB	
LO-IF		18	24		dB	
RF-IF			25		dB	
VSWR			2.5:1			
1dB Comp.Point						
LO Drive A2002M			10	14	dBm	
3rd Order Intercept Point A2002M			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"



DISCLAIMER: Subject to change without notice.  
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