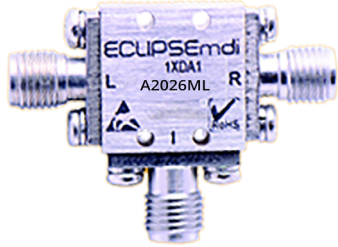


# A2026ML Triple Balanced Mixer



## Technical Characteristics

### Product Features

- Ultra-Broadband Frequency Application
- Excellent Conversion Loss
- High Isolation
- Frequency Converter Application

### Maximum Ratings

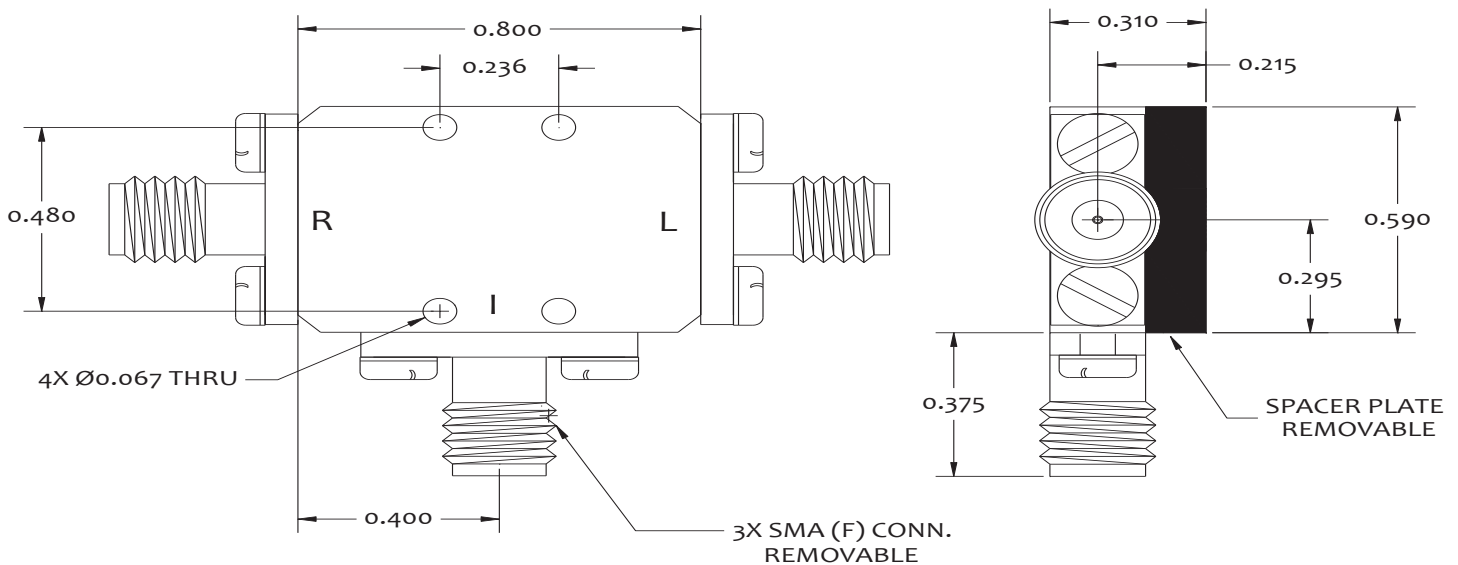
- Storage Temperature.....-65 to +150°C
- Operating Temperature.....-65 to +125°C
- Peak Input Power For Any Port.....+23dBm Peak
- Peak Input Power For Any Port.....+26dBm Peak
- Peak Input Current @ +25°.....100mA

Parameters	Freq. (GHz)	Minimum dB	Typical (dB)	Maximum dB	Conditions
Conversion Loss	MAX.	TYP.	TYP.	MIN.	TYP.
RF Input	2.0 to 26.0		10.0	13.5	2.0-26.0 GHz
LO Input	2.0 to 26.0		8.5	9.5	2.0-16.0 GHz
IF Output	2.0 to 8.0		9.5	11.0	16.0-26.0 GHz
VSWR	2.0 to 26.0		2.5:1		
<b>Isolation</b>					
LO-RF	2.0 to 26.0	20.0	25.0		
LO-IF	2.0 to 26.0	18.0	24.0		
1dB Compression Point			+5dBm		
LO Drive			+11.0dBm	+14.0dBm	

### 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.



### About EclipseMDI

ECLIPSE Microdevices is located in San Jose, California. ECLIPSE has been developing high performance analog semiconductors for use in wireless radio frequency (RF), microwave, and millimeter wave for commercial and industrial applications. ECLIPSE has formed a strategic alliances - with foundries that features leading state-of-the-art process technologies and with manufacturing facilities for high-volume production of innovative RFICs.

