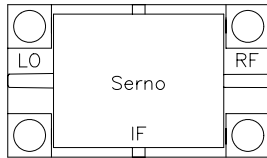




**SPECIFICATION BULLETIN MR139H TRIPLE BALANCED MIXER**  
**RF/LO: 4.0- 18.0 GHz IF: 10 - 3000 MHz**

**Standard Product Features:**

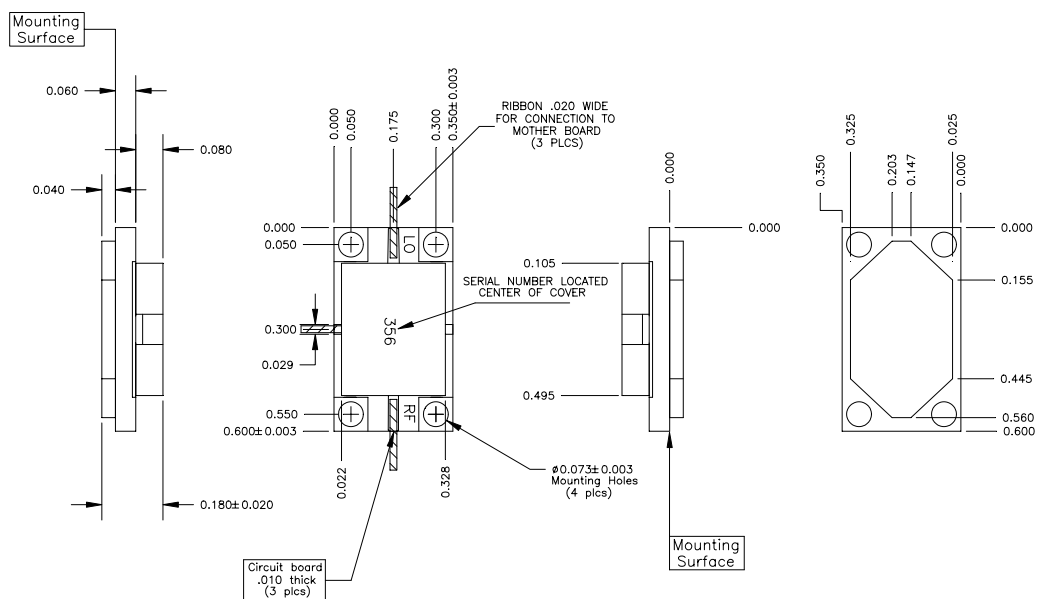
- High Dynamic Range Mixer
- Broadband Coverage
- Microstrip Drop-in Package
- 5.5 dB Mid-Band Conversion Loss
- 25 dB Isolations
- Protective Covers



SPECIFICATIONS	TYPICAL	Min.	Max.
RF /LO Frequency Range	-----	4 GHz	18 GHz
IF Frequency Range (3 dB Bandwidth)	-----	10	5000 MHz
Conversion Loss	5.5 dB	----	9.0 dB
LO Drive Level	21 dBm	20 dBm	22 dBm
Isolation, LO to RF	30 dB	18 dB	---
LO to IF	25 dB	18 dB	---
VSWR, RF	2.5:1	---	---
LO	2.4:1	---	---
Input 1 dB Compression	15 dBm	12 dBm	---
Input Two-Tone Third Order IP (IP3)	25 dBm	22 dBm	---
Operating Temperature Range	---	-40 C	+70 C
Storage Temperature Range	---	-65 C	+125 C

Custom designs also available. Consult factory for assistance on your requirements.

**OUTLINE DRAWING:**



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