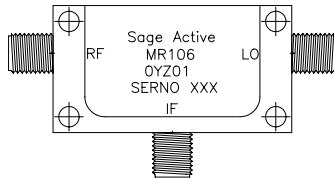




**SPECIFICATION BULLETIN MR106M TRIPLE BALANCED MIXER**  
**RF/LO: 2.0 to 18.0 GHz IF: 10 to 5000 MHz**

**Standard Product Features:**

- Broadband Performance
- 6.0 dB Typical Conversion Loss
- 30 dB Typical Isolation
- Broadband IF Coverage
- Low Cost
- Versatile Package



SPECIFICATIONS	TYPICAL	Min.	Max.
RF/LO Frequency Range (GHz)	-----	2	18
IF Frequency Range (3dB Bandwidth) (MHz)	-----	10	5000
Conversion Loss (dB)	6.0	-----	9.5
VSWR, RF Port	2.2:1	---	-----
LO Port	1.8:1	---	-----
Isolation, LO to RF (dB)	30	20	---
LO to IF (dB)	25	20	-----
LO Drive Range (dBm)	13	11	15
Input 1 dB Compression Point (dBm)	+7	+4	-----
Input Two-Tone Third Order IP (IP3) (dBm)	+17	+12	-----
Operating Temperature Range (Degrees C)	-----	-54	+95
Storage Temperature (Degrees C)	-----	-65	+125

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

**OUTLINE DRAWING**

