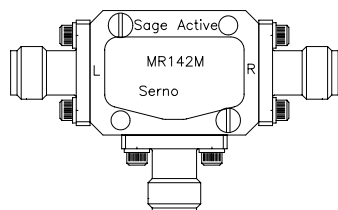


SPECIFICATION BULLETIN **MR142M Triple Balanced Mixer**
RF / LO: 4 to 18 GHz IF: 10 to 5000 GHz



Standard Product Features

- SMA Removable Connectors
- Broadband Performance
- 6.0 dB Typical Conversion Loss
- 30 dB Typical Isolation
- Broadband IF Coverage
- Triple Balanced
- Low Cost

SPECIFICATIONS	TYPICAL	Min.	Max.
RF /LO Frequency Range	-----	4 GHz	18 GHz
IF Frequency Range (3 dB Bandwidth)	-----	10 MHz	5000 MHz
Conversion Loss	6.0 dB	----	9.5 dB
LO Drive Level	15.0 dBm	13.0 dBm	17.0 dBm
Isolation, LO to RF	30 dB	20 dB	---
LO to IF	25 dB	15 dB	---
VSWR, RF	2.2:1	---	---
LO	1.8:1	---	---
Input 1 dB Compression	10 dBm	7 dBm	---
Input Two-Tone Third Order IP (IP3)	+18 dBm	+15 dBm	---
Operating Temperature Range	---	-54 C	+95 C
Storage Temperature Range	---	-65 C	+125 C

Alternate LO Drive Ranges are available. Consult factory for assistance on your requirements.

OUTLINE DRAWING

