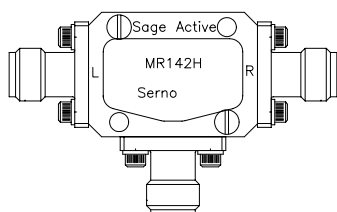


SPECIFICATION BULLETIN MR142H Triple Balanced Mixer

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	----	10.0 dB
LO Drive Level	20.5 dBm	19.0 dBm	22.0 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	16 dBm	13 dBm	---
Input Two-Tone Third Order IP (IP3)	+24 dBm	+20 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

