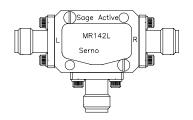


## SPECIFICATION MR142L Triple Balanced Mixer BULLETIN RF/LO: 4 to 18 GHz IF: 10 to 5000 GHz



## **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	11.0 dBm	9.0 dBm	13.0 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	7 dBm	4 dBm	
Input Two-Tone Third Order IP (IP3)	+16 dBm	+12 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**

