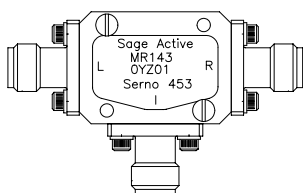


SPECIFICATION MR143L TRIPLE BALANCED MIXER
BULLETIN RF/LO: 4 to 18 GHz IF: 1 to 10 GHz



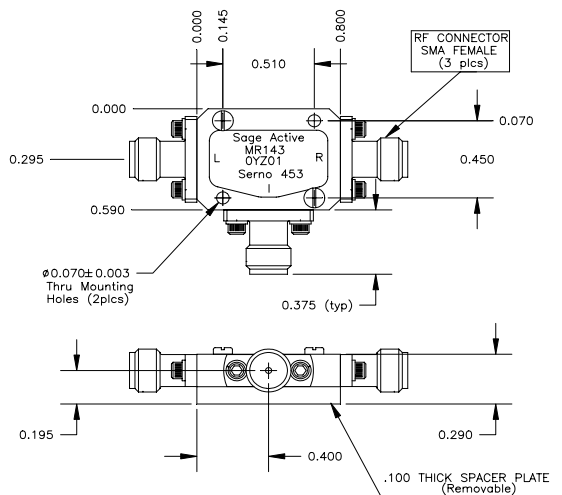
Standard Product Features

- SMA Removable Connectors
- Broadband Performance
- 6.0 dB Typical Conversion Loss
- 30 dB Typical Isolation
- IF Coverage to 10 GHz
- Triple Balanced
- Low Cost

Specifications	Typical	Min.	Max.
RF/LO Frequency Range	-----	4 GHz	18 GHz
IF Frequency Range (3 dB Bandwidth)	-----	1	10 GHz
Conversion Loss	6.0 dB	----	10.5 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



Operating Parameters

Freq. RF= 2 to 18 GHz
 LO= 2 to 18 GHz
 IF= 1.0 to 10.0 GHz
 LO Power= 9 to 13dBm

