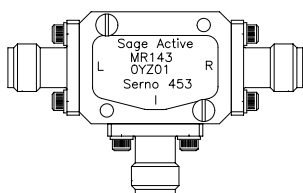


SPECIFICATION MR143H TRIPLE BALANCED MIXER
BULLETIN RF/LO: 4 to 18 GHz IF: 1 to 10 GHz



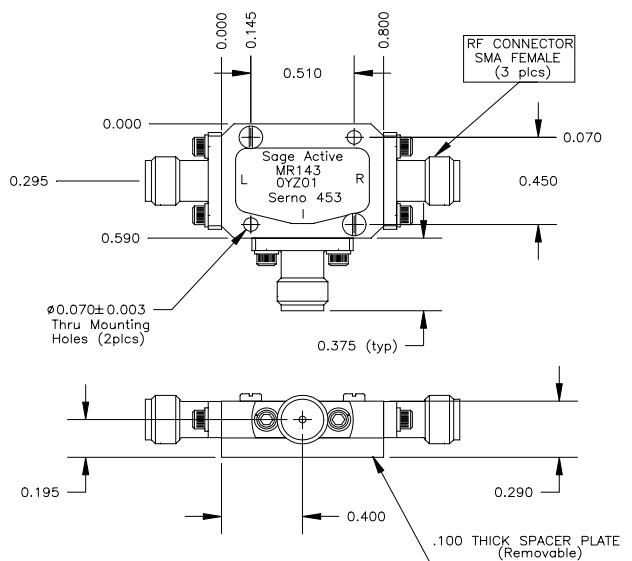
Standard Product Features

- SMA Removable Connectors
- 6.0 dB Typical Conversion Loss
- 30 dB Typical Isolation
- IF Coverage 1.0 to 10 GHz
- Triple Balanced (High Level)
- Versatile Package

Specifications	Typical	Min.	Max.
RF/LO Frequency Range	-----	4 GHz	18 GHz
IF Frequency Range (3 dB Bandwidth)	-----	4	18 GHz
Conversion Loss	6.5 dB	1 GHz	10 dB
LO Drive Level	19.0 dBm	17.0 dBm	21.0 dBm
Isolation, LO to RF	20 dB	18 dB	22 dBm
LO to IF	30 dB	20 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

