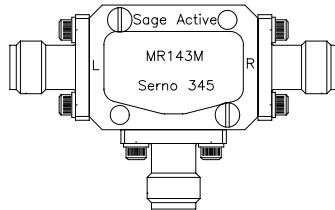


SPECIFICATION BULLETIN **MR143M TRIPLE BALANCED MIXER**
RF/LO: 4 to 18 GHz IF: 1 to 10 GHz



Standard Product Features

- SMA Removable Connectors
- 6.0 dB Typical Conversion Loss
- 30 dB Typical Isolation
- IF Coverage 1.0 to 10.0 GHz
- Triple Balanced
- Versatile Package

SPECIFICATIONS	TYPICAL	Min.	Max.
RF Input Frequency Range	-----	4.0 GHz	18.0 GHz
LO Frequency	-----	4.0 GHz	18.0 GHz
IF Output Frequency Range	-----	1.0 GHz	10.0 GHz
Conversion Loss	6.5 dB	----	10.5 dB
LO Drive Level	15 dBm	13 dBm	17 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 Two-Tone Third Order IP (IP3)	19 dBm	14 dBm	---
Input 1 dB Compression (dBm)	9 dBm	6 dBm	---
Operating Temperature Range	---	-25 C	+75 C
Storage Temperature Range	---	-65 C	+125 C

Note: Alternate LO drive levels are available. Consult the factory for your specific requirements.

OUTLINE DRAWING

