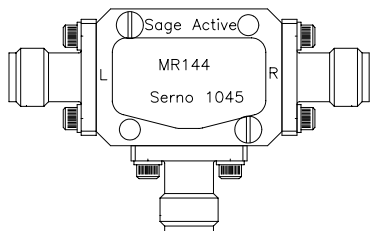


**SPECIFICATION
BULLETIN**

**MR144M Double Balanced Mixer
RF / LO: 4.0 to 18.0 GHz IF: DC to 800 MHz**



Standard Product Features

- **SMA Removable Connectors**
- **Broadband Performance**
- **5.5 dB Typical Conversion Loss**
- **30 dB Typical Isolation**
- **IF Coverage to 800 MHz**
- **Double Balanced**
- **Low Cost**

SPECIFICATIONS	Typical	Min	Max
RF/LO Frequency Range	-----	4 GHz	18 GHz
IF Frequency Range (3 dB Bandwidth)	-----	DC	800 MHz
Conversion Loss (IF = DC to 500 MHz)	5.5 dB	----	9.5 dB
LO Drive Level	13.0 dBm	11.0 dBm	15.0 dBm
Isolation, LO to RF	30 dB	18 dB	---
LO to IF	25 dB	15 dB	---
VSWR, RF	2.2:1	---	---
LO	1.8:1	---	---
Input 1 dB Compression	8 dBm	5 dBm	---
Input Two-Tone Third Order IP (IP3)	18 dBm	13 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

