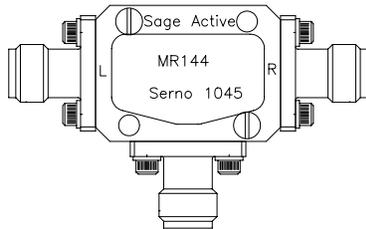


SPECIFICATION BULLETIN MR144H Double Balanced Mixer
RF/LO: 4.0 to 18.0 GHz IF: DC to 800 MHz



Standard Product Features

- **SMA Removable Connectors**
- **Broadband Performance**
- **6.0 dB Typical Conversion Loss**
- **30 dB Typical Isolation**
- **IF Coverage to 500 MHz**
- **Double Balanced**

SPECIFICATIONS	Typical	Min	Max
RF/LO Frequency Range	----	4 GHz	18 GHz
IF Frequency Range (3 dB Bandwidth)	----	DC	800 MHz
Conversion Loss	6.0 dB	----	9.5 dB
LO Drive Level	17 dBm	15.0 dBm	19.0 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	10 dBm	8 dBm	---
Input Two-Tone Third Order IP (IP3)	21 dBm	15 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

