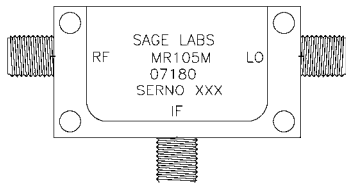




SPECIFICATION BULLETIN MR 105M Double Balanced Mixer
RF/LO: 2 to 18 GHz IF: DC to 800 MHz

Standard Product Features:

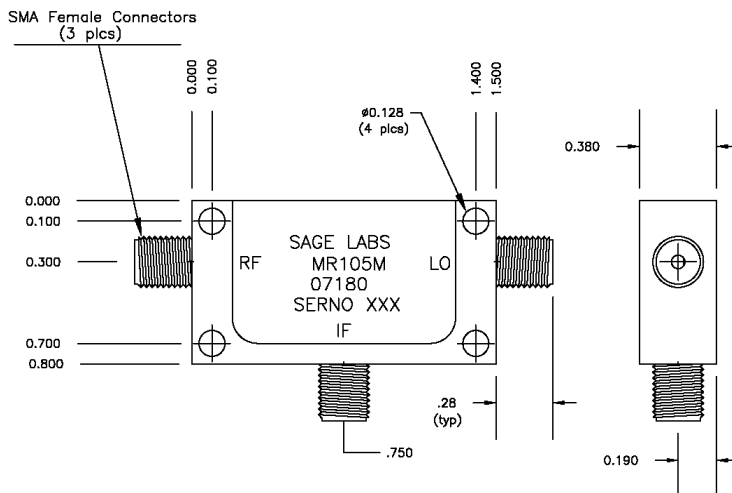
- Broadband Performance
- 5.5 dB Typical Conversion Loss
- 35 dB Typical Isolation
- DC Coupled IF
- Low Cost
- Versatile Package



SPECIFICATIONS	TYPICAL	Min.	Max.
RF/LO Frequency Range (GHz)	-----	2	18
IF Frequency Range (3dB Bandwidth) (MHz)	-----	DC	800
Conversion Loss (dB) (IF = DC to 500 MHz)	5.5	-----	9.5
VSWR, RF Port	2.2:1	---	-----
LO Port	1.8:1	---	-----
Isolation, LO to RF (dB)	35	20	---
LO to IF (dB)	25	15	-----
LO Drive Range (dBm)	13	11	15
Input 1 dB Compression Point (dBm)	+9	+6	-----
Input Two-Tone Third Order IP (IP3) (dBm)	+19	+14	-----
Operating Temperature Range (Degrees C)	-----	-54	+95
Storage Temperature (Degrees C)	-----	-65	+125

Note: Custom Designs also available. Consult factory for assistance on your specific requirements.

OUTLINE DRAWING



Specification Revision - 071910