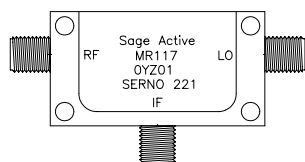




SPECIFICATION BULLETIN

MR117 Double Balanced Mixer RF/LO: 2 to 18 GHz IF: DC to 300 MHz

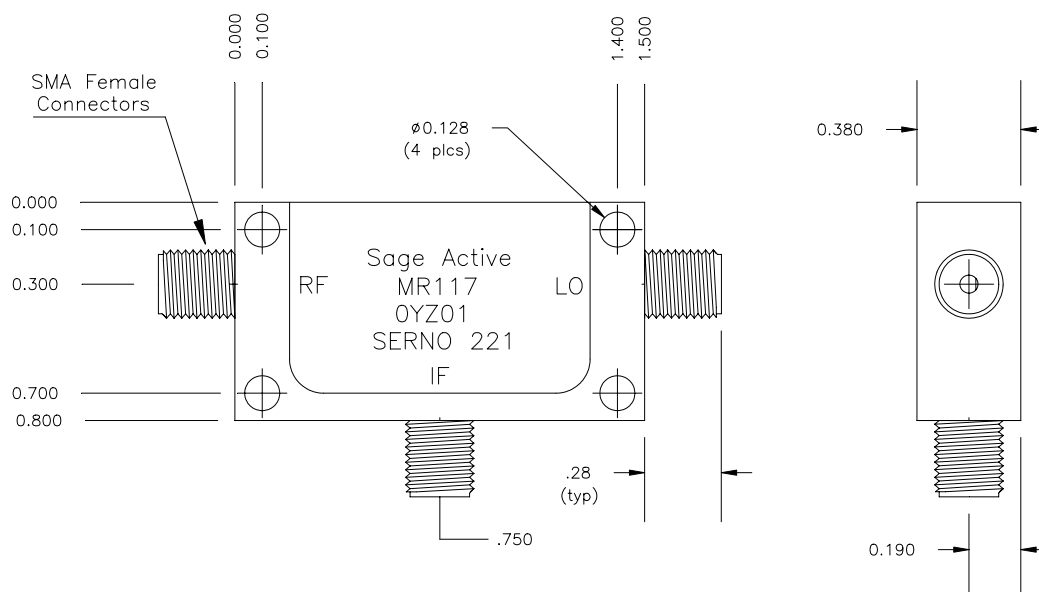


Standard Product Features:

- Very Low 1/F Noise Performance
- Broadband RF Performance
- 6.5 dB Typical Conversion Loss
- High Isolation >30 dB LO - RF
- Environmentally Sealed Package
- Low Cost

Specifications	Typical	Min.	Max.
RF/LO Frequency Range	----	2 GHz	18 GHz
IF Frequency Range (3 dB Bandwidth)	----	DC	300 MHz
Conversion Loss	6.5 dB	----	10 dB
LO Drive Level	---	9 dBm	13 dBm
Isolation, LO to RF	35 dB	20 dB	---
LO to IF	25 dB	15 dB	---
VSWR, RF	2.0:1	---	---
LO	1.6:1	---	---
Input 1 dB Compression	5 dBm	2 dBm	---
Input Two-Tone Third Order IP (IP3)	15 dBm	10 dBm	---
Operating Temperature Range	---	-54 C	+95 C
Storage Temperature Range	---	-65 C	+125 C

OUTLINE DRAWING





TYPICAL PERFORMANCE @ 25° C

MR 117
(Low 1/F Noise Mixer)

Operating Parameters	
Freq. RF=	2 to 18 GHz
LO=	2 to 18 GHz
IF=	DC to 300 MHz
LO Power=	9 to 13 dBm

