

- Drop-in surface mount
- Protective covers

COMMERCIAL

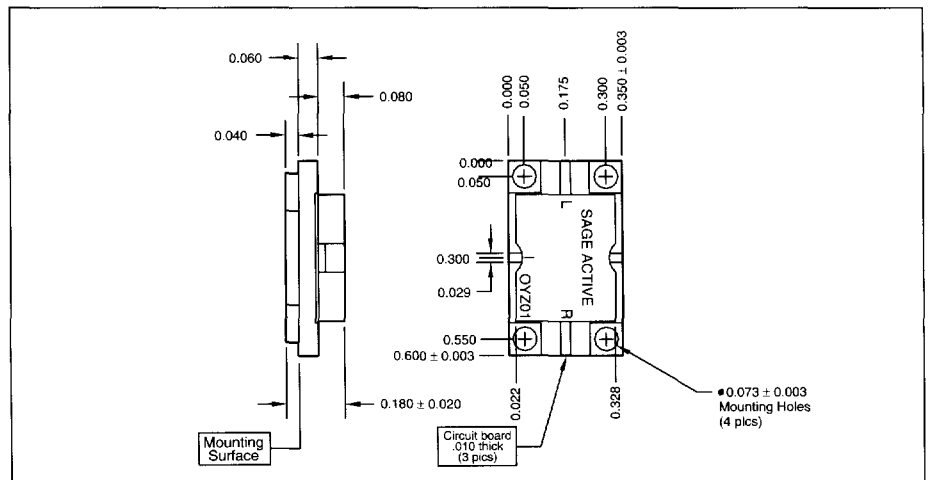
CUSTOM

MILITARY

SPACE

Frequency range	
RF/LO (GHz)	4 to 18
IF (MHz)	10 to 5000
Conversion loss (dB)	6 typ, 9.5 max
LO drive level (dBm)	
L	9 to 13
M*	13 to 17
H*	17 to 22
Isolation	
LO-to-RF (dB)	30 typ, 20 min
LO-to-IF (dB)	25 typ, 15 min
VSWR	
RF	2.2 typ
LO	1.8 typ
Input	
1-dB compression (dBm)	+7 typ, +4 min
2-tone IP3 (dBm)	+16 typ, +12 min
Temperature range	
Operating (°C)	-54 min, +95 max
Storage (°C)	-65 min, +125 max

OUTLINE DRAWING

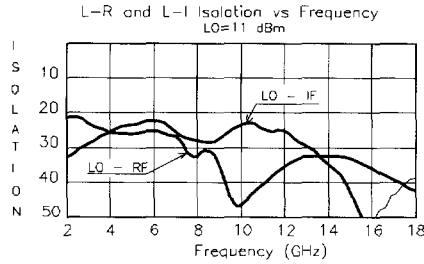
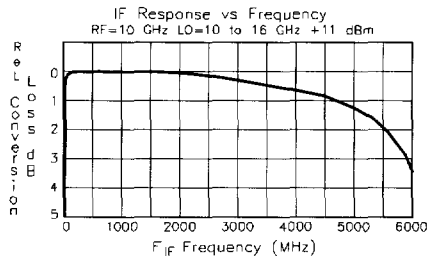
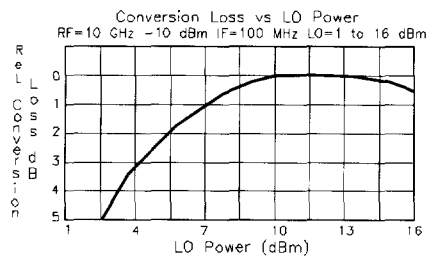
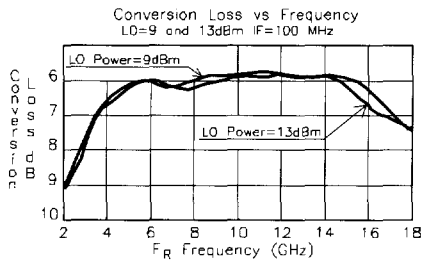


TYPICAL PERFORMANCE AT 25°C

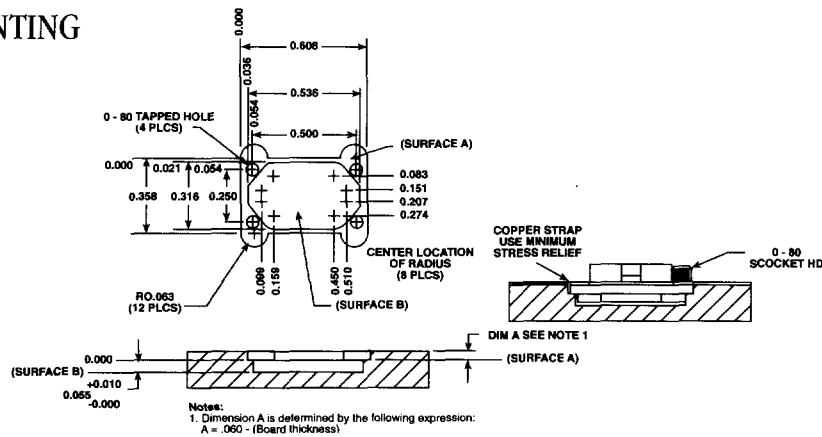
MR139L (Triple Balanced Mixer)

Operating Parameters

Freq. RF = 4 to 18 GHz
LO = 4 to 18 GHz
IF = 10 to 5000 MHz
LO Power = 9 to 13dBm



RECOMMENDED MOUNTING CAVITY FOR MIXER



MIXERS