



SPECIFICATION BULLETIN MR140L OPEN SUBSTRATE MIXER
RF/LO: 4 to 18 GHz IF: 1 to 10 GHz

Standard Product Features:

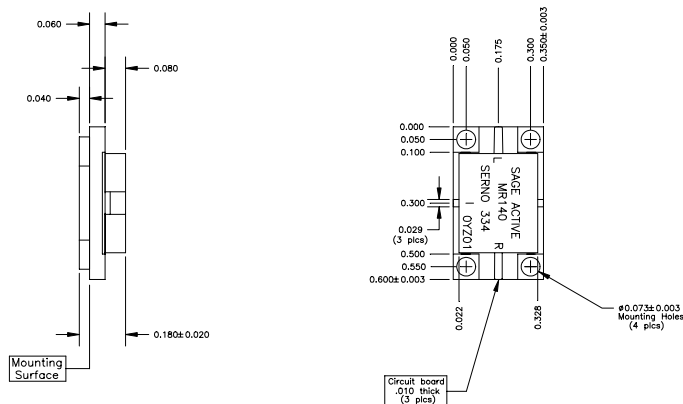
- Surface Mount (Drop-in)
- Triple Balanced
- 6.0 dB Typical Conversion Loss
- 30 dB Typical Isolation
- IF Coverage to 10 GHz
- LO Drive 13 to 17 dBm
- Protective Covers



Specifications	Typical	Min.	Max.
RF/LO Frequency Range	-----	4 GHz	18 GHz
IF Frequency Range (3 dB Bandwidth)	-----	1	10 GHz
Conversion Loss	6.0 dB	-----	10.5 dB
LO Drive Level	11.0 dBm	9.0 dBm	13.0 dBm
Isolation, LO to RF	30 dB	20 dB	---
LO to IF	25 dB	15 dB	---
VSWR, RF	2.2:1	---	---
LO	1.6:1	---	---
Input 1 dB Compression	7 dBm	4 dBm	---
Input Two-Tone Third Order IP (IP3)	16 dBm	10 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





TYPICAL PERFORMANCE @ 25°C

MR 140
(Triple Balanced Mixer)

Operating Parameters	
Freq. RF=	4 to 18 GHz
LO=	4 to 18 GHz
IF=	1.0 to 10.0 GHz
LO Power=	9 to 13dBm

