

SPECIFICATION BULLETIN

MR141M Open Substrate Mixer RF/LO: 2.0 to 18.0 GHz IF: DC to 500 MHz



Standard Product Features:

- Surface Mount (Drop-in)
- Double Balanced
- 5.5 dB Typical Conversion Loss
- 30 dB Typical Isolation
- Can be used as Phase Detector
- Low Cost
- Protective Covers

SPECIFICATIONS	TYPICAL	Min.	Max.
RF/LO Frequency Range		2 GHz	18 GHz
IF Frequency Range (3 dB Bandwidth)		DC	1000 MHz
Conversion Loss	5.5 dB		9.0 dB
LO Drive Level (dBm)	13.0	11.0	15.0
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	8 dBm	5 dBm	
Input Two-Tone Third Order IP (IP3)	18 dBm	13 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

