



**SPECIFICATION  
BULLETIN**

**MR141H 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
- 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)	17.0	15.0	19.0
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	10 dBm	8 dBm	---
Input Two-Tone Third Order IP (IP3)	21 dBm	15 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**

