



E-Series Plug-In Mixer

5 – 2000 MHz

EMS-11

Features

- +7 dBm LO Power
- Up to +1 dBm RF

Specifications @ 25°C

Frequency Range	
RF, LO	5–2000 MHz
IF	10–600 MHz

Conversion Loss		
50–1000 MHz	7.0 dB Typ	8.5 dB Max
5–2000 MHz	7.5 dB Typ	9.0 dB Max

Isolation		
LO to RF		
5–50 MHz	50 dB Typ	45 dB Min
50–1000 MHz	35 dB Typ	25 dB Min
1000–2000 MHz	30 dB Typ	20 dB Min
LO to IF		
5–50 MHz	45 dB Typ	40 dB Min
50–1000 MHz	30 dB Typ	20 dB Min
1000–2000 MHz	25 dB Typ	15 dB Min

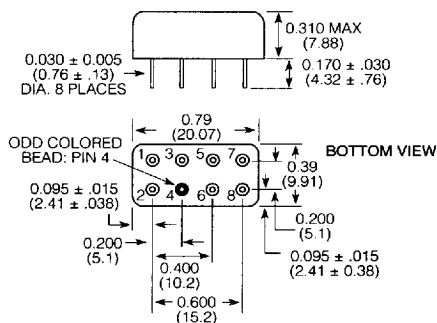
Operating Characteristics

Impedance	50 Ohms Nominal
RF Input for 1 dB Compression	+1 dBm

Absolute Maximum Ratings

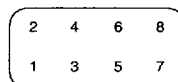
Parameter	Absolute Maximum
RF Power	50 mW
Peak IF Current	40 mA
Operating/Storage Temp.	-55 °C to +100 °C
Pin Temperature (10 sec.)	+260 °C

R-1



WEIGHT (APPROX.): 0.16 OUNCES 4.4 GRAMS

Pin Configuration (Top View)



Function	Pin No.
LO	8
RF	1
IF	3
Ground	2,5,6,7
Case Ground	2,5,6,7

Specifications Subject to Change Without Notice

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