



E-Series Plug-In Mixer

2 – 500 MHz

EMK-1H

Features

- +17 dBm LO Power
- Up to +14 dBm RF

Specifications @ 25°C

Frequency Range		
RF, LO		2–500 MHz
IF		DC–500 MHz
Conversion Loss		
20–250 MHz	6.0 dB Typ	7.5 dB Max
2–500 MHz	7.0 dB Typ	8.5 dB Max
Isolation		
LO to RF		
2–20 MHz	50 dB Typ	40 dB Min
20–250 MHz	40 dB Typ	30 dB Min
250–500 MHz	30 dB Typ	25 dB Min
LO to IF		
2–20 MHz	45 dB Typ	35 dB Min
20–250 MHz	35 dB Typ	25 dB Min
250–500 MHz	25 dB Typ	20 dB Min

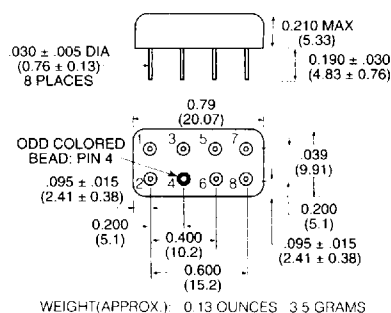
Operating Characteristics

Impedance	50 Ohms Nominal
RF Input for 1 dB Compression	+14 dBm

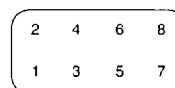
Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	200 mW
Peak IF Current	40 mA
Operating/Storage Temp	-55 °C to +100 °C
Pin Temperature (10 sec.)	+260 °C

R-5



Pin Configuration (Top View)



Function	Pin No.
LO	8
RF	1
IF	3,4*
Ground	2,5,6,7
Case Ground	2

* Pins must be externally connected together.

Specifications Subject to Change Without Notice

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