

E-Series Surface Mount Mixer 1600 - 2300 MHz

EMRS-1800

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		1600 - 2300 MHz
LO		1600 - 2300 MHz
IF		10 - 200 MHz
Conversion Loss (dB)	Typical	Maximum
1600 - 2300 MHz	8.5	9.5
Isolation (dB)	Typical	Minimum
LO to RF		
1600 - 2300 MHz	28	25
LO to IF		
1600 - 2300 MHz	24	20
Two Tone Third Order Input Intercept (dBm)	Typical	Minimum
	+23	+20
Test Conditions		
RF1:	2100 MHz @ 0 dBm	
RF2:	2101 MHz @ 0 dBm	
LO:	2055 MHz @ +17 dBm	

Operating Characteristics

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

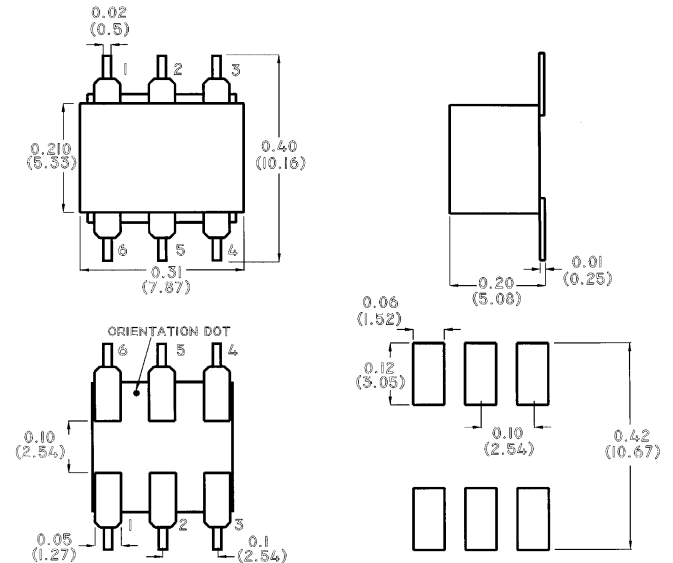
Ordering Information

Part No.	Packaging
EMRS-1800	Tubes
EMRS-1800TR	Forward Tape & Reel

Absolute Maximum Ratings

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

SM-24



Pin Configuration

Function	Pin No.
LO	1
RF	4
IF	5
Ground	2,3,6

Specifications Subject to Change Without Notice.

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