

F-Series Surface Mount Mixer

0.5 - 500 MHz

FMRS-1

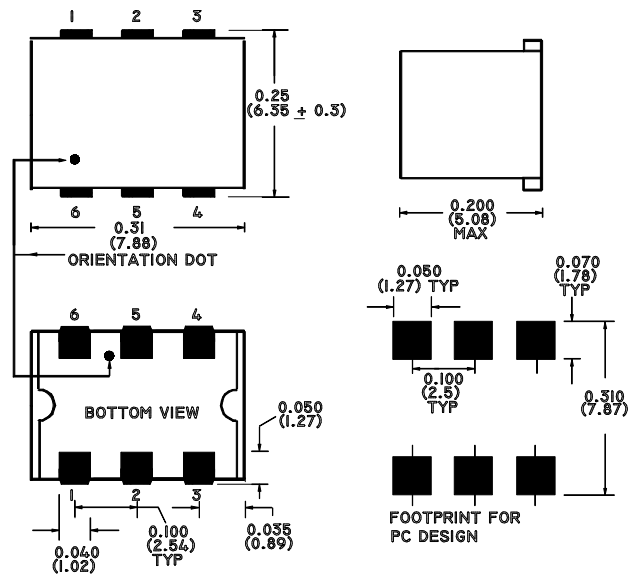
Features

- * LO Power +7 dBm
- * Up to +1 dBm RF
- * Surface Mount

Specifications @ 25°C

Frequency Range		
RF		00.5 - 500 MHz
LO		0.5 - 500 MHz
IF		DC - 500 MHz
Conversion Loss (dB)	Typical	Maximum
1 - 250 MHz	5.5	7
0.5 - 500 MHz	6.2	8.5
Isolation (dB)	Typical	Minimum
LO to RF		
5 - 250 MHz	33	25
250 - 500 MHz	27	20
LO to IF		
0.5 - 5 MHz	55	45
5 - 250 MHz	30	23
250 - 500 MHz	24	19

SM-1



Operating Characteristics

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

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	50 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

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