

# DOUBLE BALANCED MIXER MODEL SMZ-K2

## WIDE BANDWIDTH

## 5-1000 MHz

### SPECIFICATIONS (Rev. A 12/05/01)

#### Operating Frequency:

LO / RF: 5 - 1000 MHz  
IF: DC - 1000 MHz

#### Isolation (dB): (Typ/Min)

Isolation (dB): (Typ/Min)	LO/RF	LO/IF
5 - 50 MHz	60/40	55/30
50 - 500 MHz	40/20	30/20
500 - 1000 MHz	25/20	20/12

#### Conversion Loss (dB): (Typ/Max)

10 - 500 MHz	6.5 / 8.0
5 - 1000 MHz	7.0 / 9.0

#### LO Power:

+7 dBm(Nom)

#### Input IP3:

+13 dBm (Typ)

#### 1 dB Compression Point:

+1 dBm (Typ)

#### Impedance:

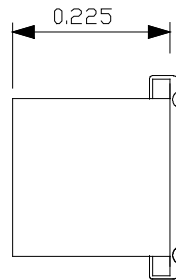
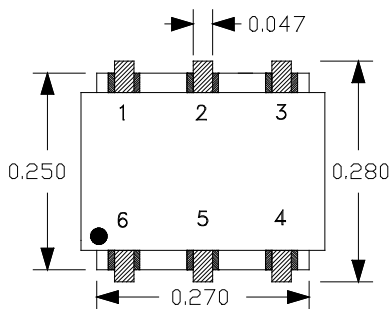
50 Ohms (Nom)

#### Operating Temperature Range:

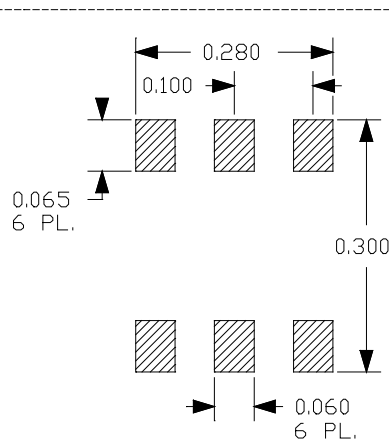
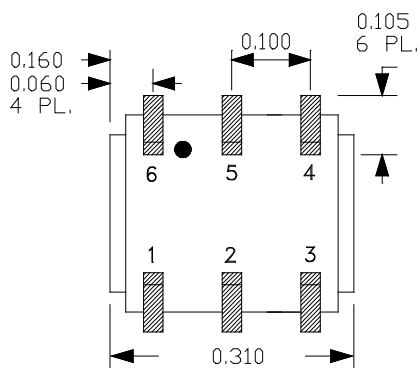
-20°C to +70°C



### MECHANICAL OUTLINE: 134J



PIN-OUT	
R.F.	4
L.O.	1
I.F.	5
GND	2,3,6



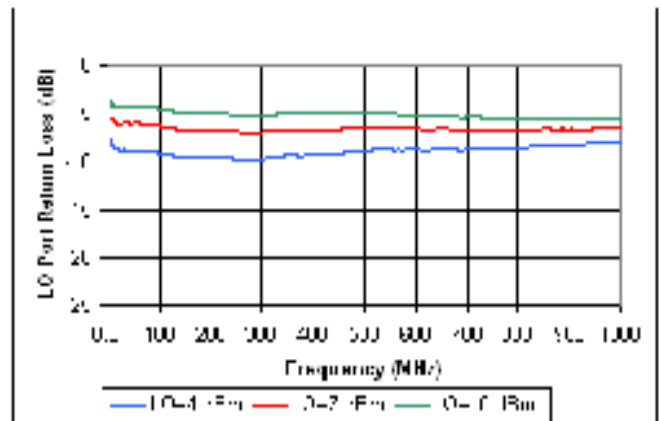
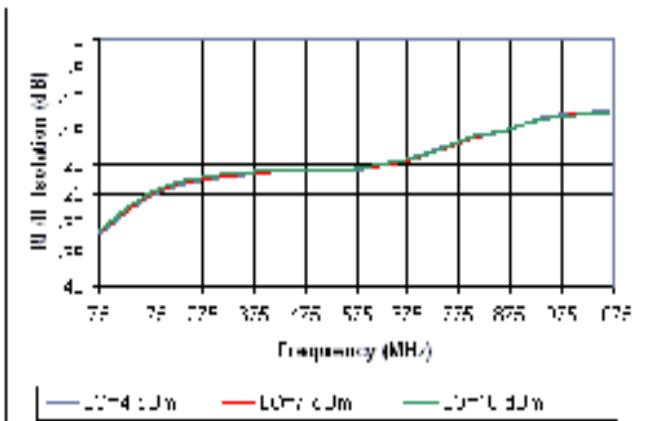
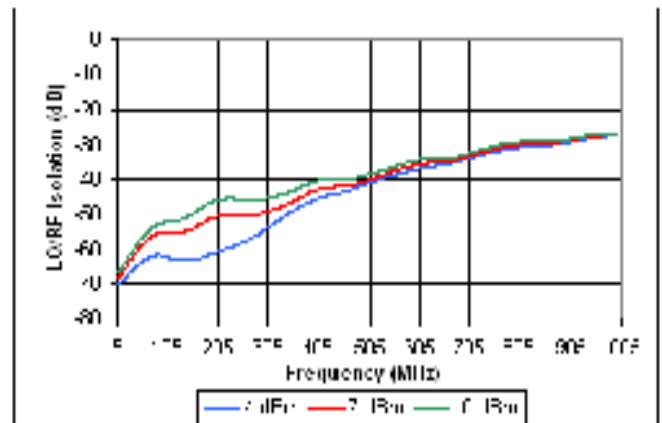
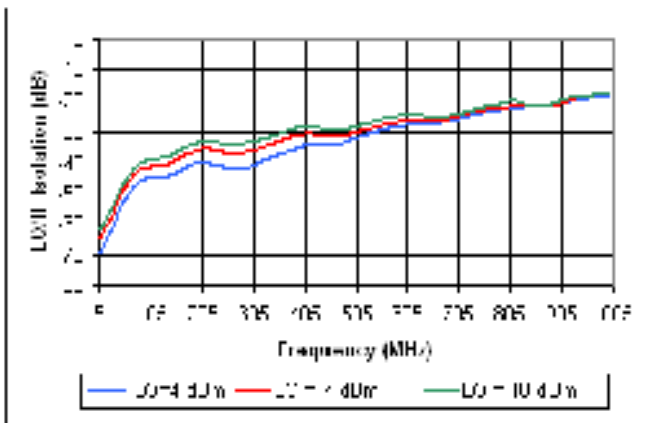
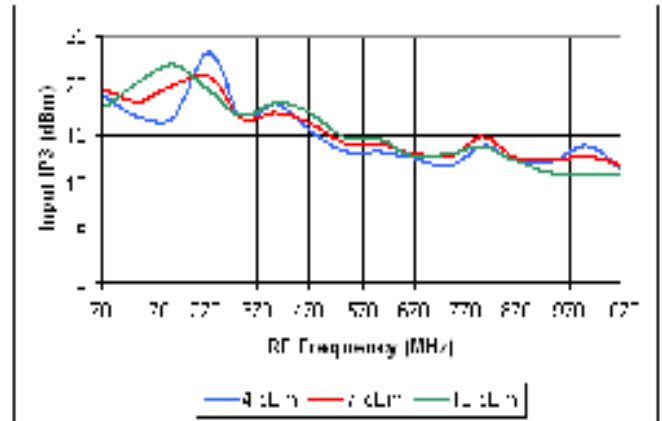
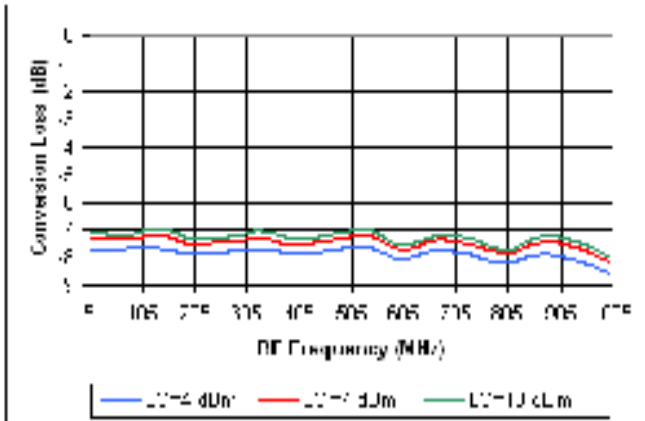
LAYOUT FOR PRINTED  
CIRCUIT DESIGN.

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### PERFORMANCE PLOTS



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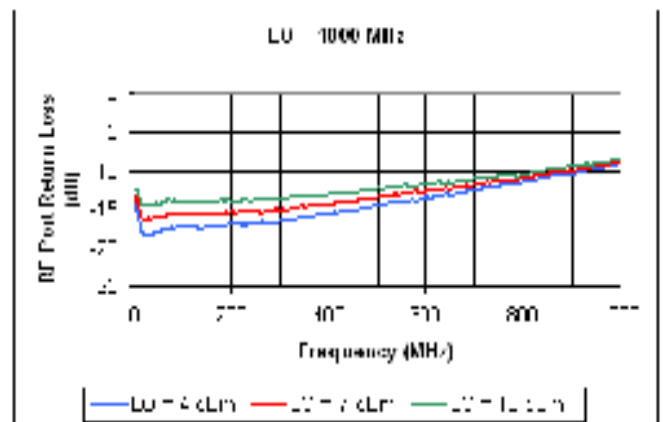
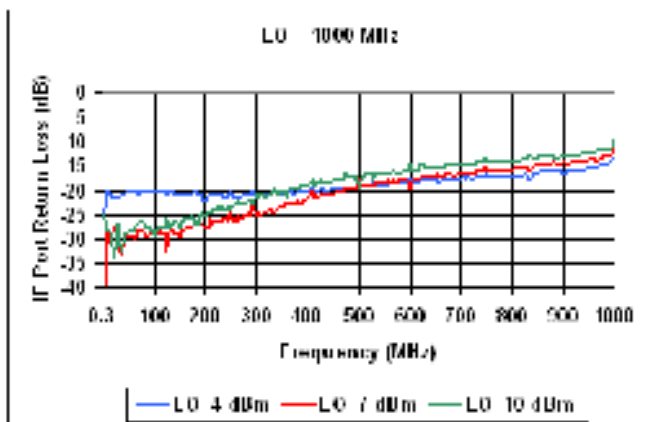
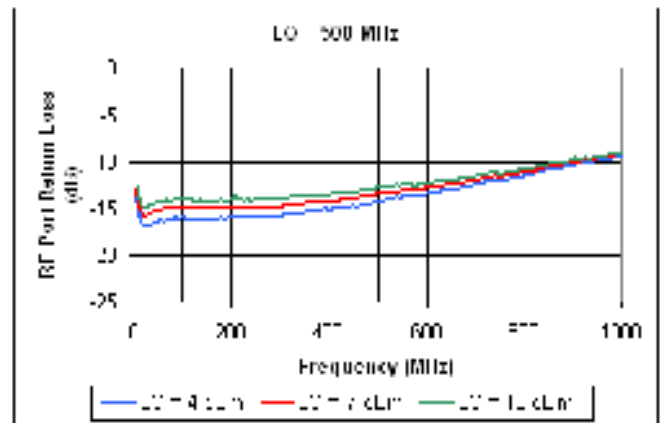
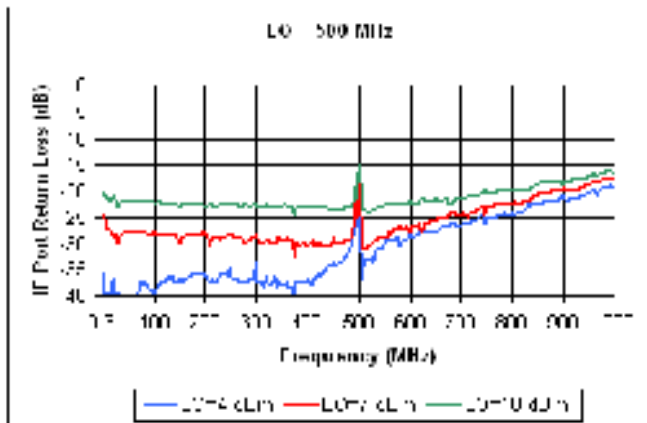
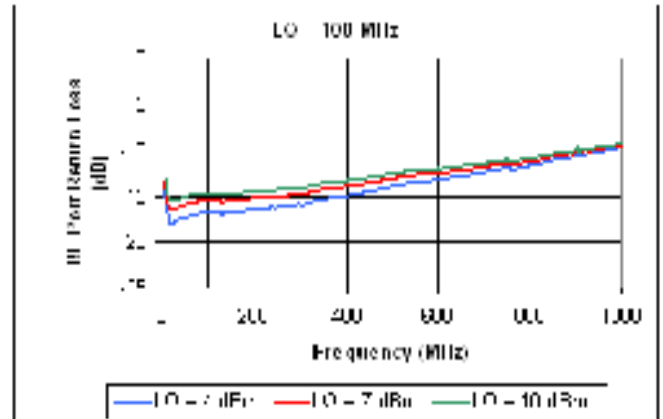
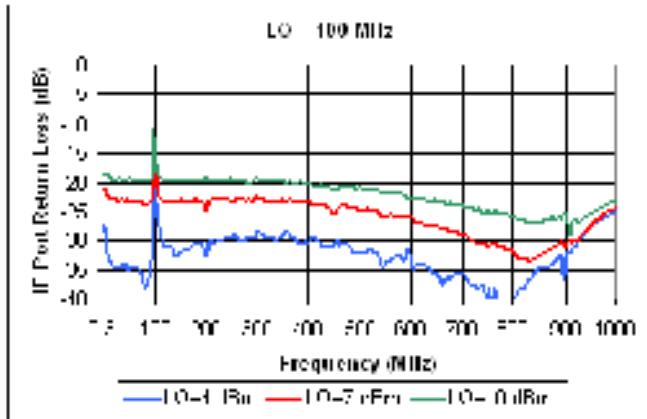


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