

# TRIPLE BALANCED MIXER

## MODEL SMD-3500

### WIDE BANDWIDTH

### 1-3500 MHz

#### SPECIFICATIONS: (Rev. "B" 01/31/06)

##### Operating Frequency:

LO / RF: 10 - 3500 MHz

IF: 1 - 2000 MHz

##### Isolation (dB):

LO/RF (Typ/Min) 35/25

LO/IF 30/20

RF/IF 25/20

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

7.8 / 8.7

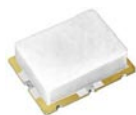
LO Power: +17 dBm(Nom)

Input IP3 (dBm): (Typ/Min) +28 / +23

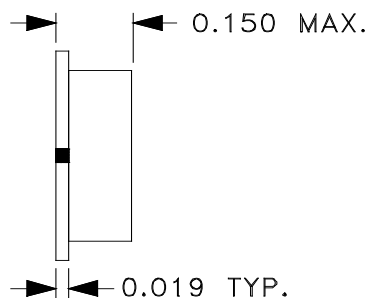
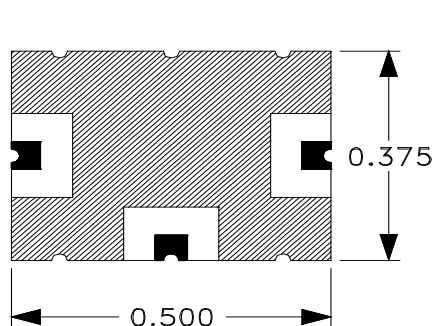
1 dB Compression Point: +14 dBm (Typ)

Impedance: 50 Ohms (Nom)

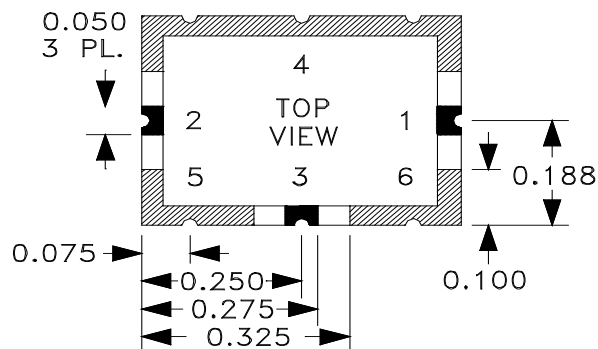
Operating Temperature Range: -40°C to +85°C



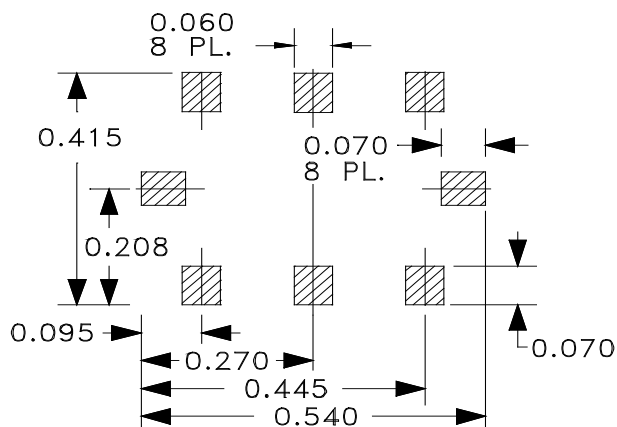
#### MECHANICAL OUTLINE: 133



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



#### LAYOUT FOR PRINTED CIRCUIT DESIGN.



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### PERFORMANCE PLOTS

