SPM6-2200H
LOW COST MINIATURE
DOUBLE BALANCED
MIXER
10-2200 MHz

COMMERCIAL SIGNAL PROCESSING RF COMPONENTS

DESCRIPTION

The SPM6-2200H is a low cost, double balanced mixer offering excellent performance to 2200 MHz in a miniature package. The performance/cost ratio of this mixer makes the application of advanced mixer technology available to equipment designers who previously were cost-restricted to compromise designs.

SPECIFICATIONS

PARAMETER	MIN.	TYP.	MAX.	UNITS
Frequency Range, L-Port	10		2200	MHz
Frequency Range, R-Port	10		2200	MHz
Frequency Range, X-Port	5		2000	MHz
LO Power Range		+17		dBm
Temperature Range	-40		+85	°C
Conversion Loss*		6.0	8.5	dB
Isolation LO - RF	20	30		dB
Isolation LO - IF	20	30		dB
Isolation RF - IF	19	25		dB
Input IP3		+26		dBm

*X = 100 MHz, LO > RF

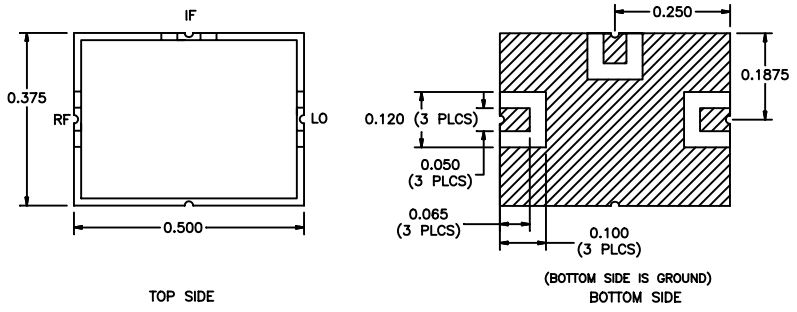
PACKAGE

COVER MATERIAL:
Plastic

BASE MATERIAL:
FR-4

Note: All half via contacts are plated through from the pad on the top side to the pad on the bottom side of the board.

ALL DIMENSIONS ARE IN INCHES.



Pinout Chart	
Pin	Function
1	RF Port
2	IF Port
3	LO Port

TOLERANCES:
.XX = ±.01
.XXX = ±.005

1.27.05 Rev B

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