

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:

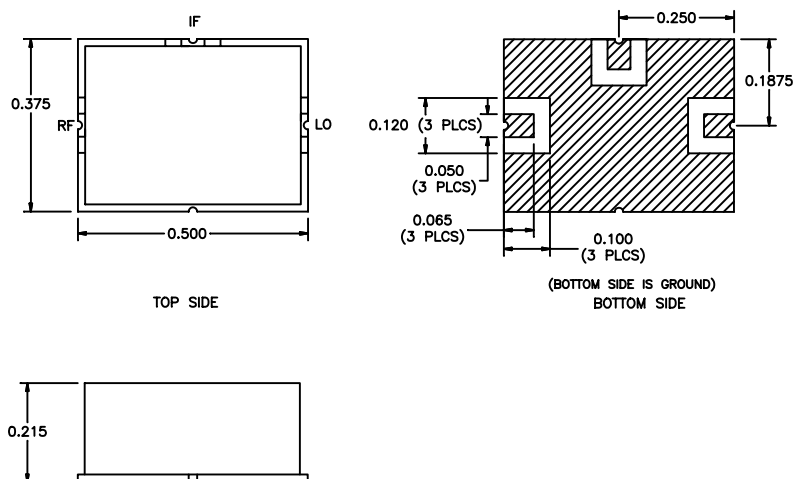
Plastic

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