

HIGH IP³ MIXERS / WIDE BAND

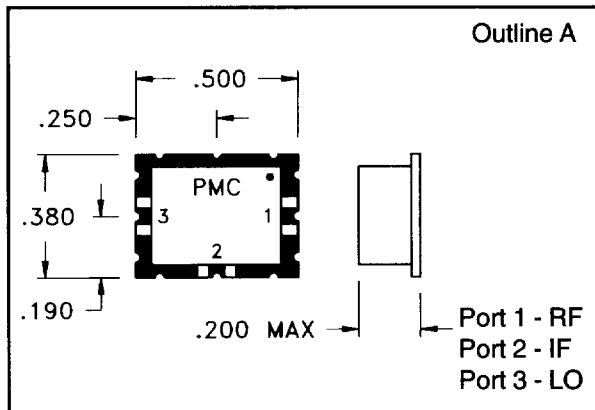
PM-24-A

LOWEST COST Wideband Mixer Surface Mount Package

Frequency
 RF: 1 - 3500 MHz
 LO: 1 - 3500 MHz
 IF: 1 - 2000 MHz

LO Drive Level: +17 dBm
 Conversion Loss: 7.5 dB Typ.
 8.5 dB Max.

Isolation (dB)
 LO/RF: 30 25
 LO/IF: 25 20
 1 dB Comp. Point: +14 dBm
 Input IP³: +26 dBm Typ.
 +23 dBm Min.



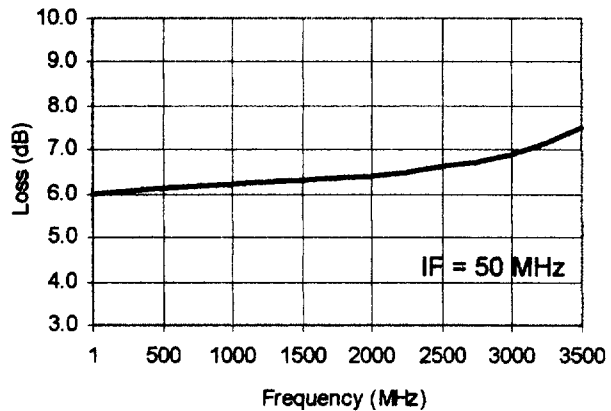
Maximum Ratings*:

LO Power Level: +27 dBm
 RF Power Level: +20 dBm
 DC Current: +40 mA
 Operating Temp.: -25°C to +85°C
 Storage Temp.: -55°C to +150°C
 Humidity: 95%

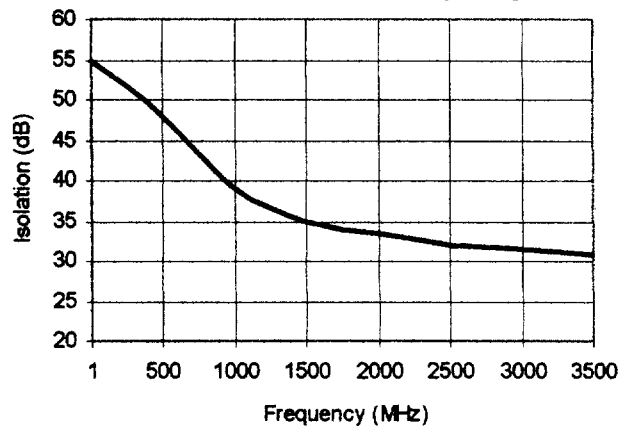
* Operation in excess of any one of these conditions may result in permanent damage to this device.

Typical Performance Plots

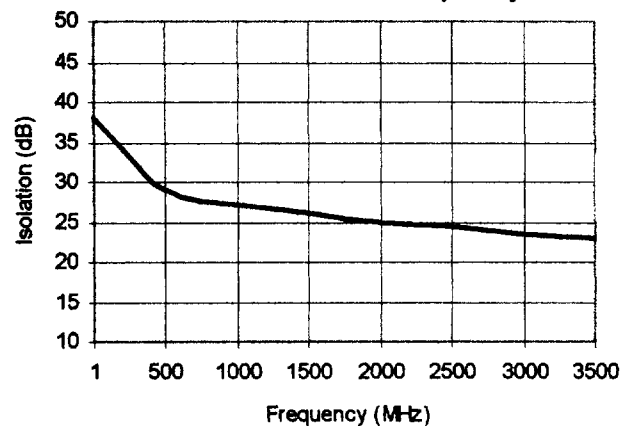
Loss vs Frequency



LO/RF Isolation vs Frequency



LO/IF Isolation vs Frequency



Mixers