

Product Features

- Integrated Monolithic GaAs MESFET
- Active Mixer Packages Module
- Surface Mount Hybrid Type & Reel Packing
- No matching circuit needed
- Lower Manufacturing Cost
- Higher Productivity and Reliability
- Very Low Noise Figure & Low Distortion
- Pb Free / RoHS Standard

Application

- Repeater
- Base Station
- RF Sub-Systems



Package Type: HY-1

Description

The IC operates from a positive +5V rail consuming 130 mA of current while only requiring a 2 dBm LO drive.

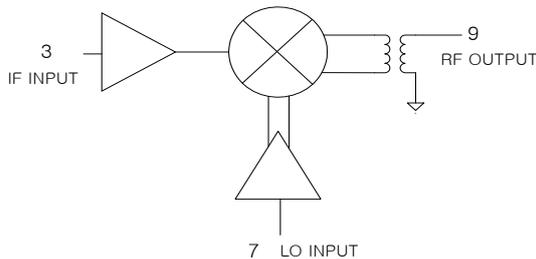
The MCM is implemented with reliable and mature GaAs MESFET technology.

Specifications (Typ.)

(Operating Temperature: -40°C~+80°C)

IF Frequency (MHz)	LO Frequency (MHz)	RF Frequency (MHz)	Conversion Gain (dB)	OIP3 (dBm)	LO to RF Leakage (dBm)	IF to RF Leakage (dBm)	Vdd/Idd
70	600-800	700-900	10	26	-8	-60	5V/130mA

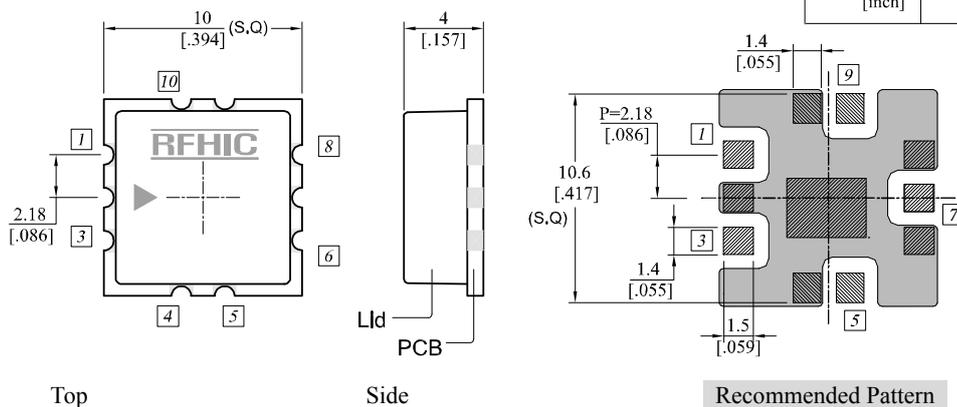
Functional Diagram



Functional pin Layout

Pin No.	Function
1 or 5	Vdd+5V
3	IF In
7	LO In
9	RF Out
2,4,6,8,10	Ground

Package Dimensions (Type: HY-1)



Unit : $\frac{\text{mm}}{\text{[inch]}}$ Tolerance : $\pm \frac{0.2}{.008}$

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