



E-Series I/Q Demodulator

70.2 MHz

EKIN-70D

Features

- Surface mount
- Excellent phase and amplitude balance

Specifications @ 25°C

Frequency Range (LO) Carrier, IF I/Q	70.2 MHz DC-1 MHz
Insertion Loss	10 dB Max
VSWR (LO/RF)	1.5
Conversion Loss (RF - I/Q Out)	10dB Max
Isolation LO to IF LO to I/Q	40 dB Min 30 dB Min
Amplitude Unbalance (I/Q)	±0.5 dB Max
Phase Unbalance (I/Q)	±1 ° Max
(LO) Carrier Power	10±2 dBm

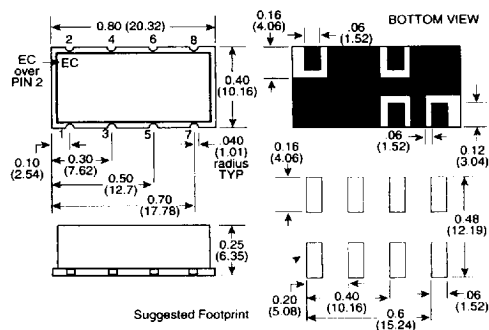
Operating Characteristics

Impedance	50 Ohms Nom
IF Power (1 dB Compression)	+3 dBm

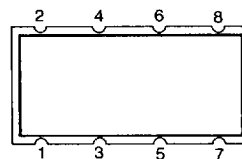
Absolute Maximum Ratings

Operating Temperature	0°C to +70 °C
Storage Temperature	-40 °C to +85 °C

SM-25



Pin Configuration (Top View)



Function	Pin No.
(LO) Carrier	1
IF (in)	8
I (0°)	5
Q (90°)	6
Not used	2
Case Ground	3,4,7

Specifications Subject to Change Without Notice

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