

E-Series I/Q Demodulator

824 - 849 MHz

EKIN2-836D

V3.00

Features

- Excellent Phase and Amplitude Balance
- LO Power: +10 dBm Typical
- Surface Mount

Specifications @ 25°C

Frequency Range		824 - 849 MHz
LO / RF		DC - 20 MHz
I/Q		
Amplitude Unbalance	Typical 0.5 dB	Maximum 1.0 dB
Phase Unbalance	Typical 1.5°	Maximum 3.0°
Isolation	Minimum 40 dB	
LO to RF		
Conversion Loss	Typical 8.0 dB	Maximum 8.5 dB
(LO) Carrier Power		+10 ±1 dBm
Q = I -90° for RF > LO		

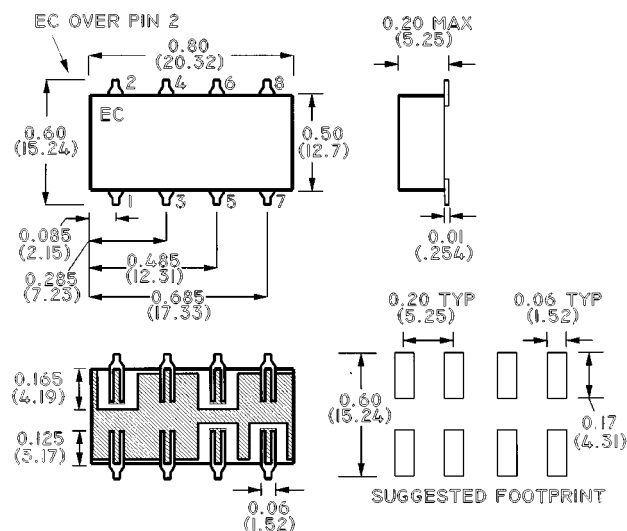
Operating Characteristics

Operating Temp.	-10°C to +70°C
Storage Temp.	-40°C to +85°C
Impedance	50 Ohms Nominal
RF Power (1dB Compression)	4 dBm Maximum
DC Offset Voltage	5 mV Typical

Ordering Information

Part No.	Packaging
EKIN2-960	Tube
EKIN2-960TR	Forward Tape & Reel

SM-7-1



Dimensions in () are in mm.
Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)
.xx = ±0.02 (.x = ±0.5)

Pin Configuration

Function	Pin. No.
LO	1
RF	8
I	5
Q	6
Case Ground	2,3,4,7

S 0674 C