

E-Series I/Q Demodulator

824 - 869 MHz

EKIN2-846D

V3.00

Features

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

Specifications @ 25°C

Frequency Range	824 - 869 MHz
LO / RF	DC - 45 MHz
I/Q	
Amplitude Unbalance	Maximum 1.5 dB
Phase Unbalance	Maximum 5°
Isolation	Minimum
LO to RF	40 dB
Conversion Loss	Maximum 9.5 dB
(LO) Carrier Power	+10 ±1 dBm
Q = I -90° for RF > LO	

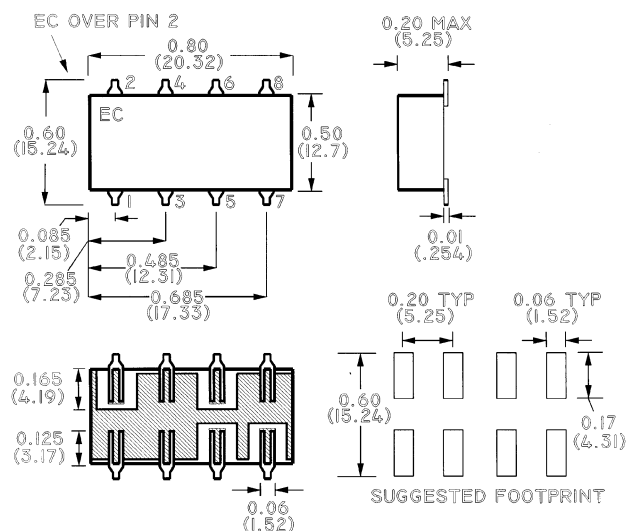
Operating Characteristics

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	6 mV Typical

Ordering Information

Part No.	Packaging
EKIN2-846D	Tube

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

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