

E-Series I/Q Demodulator

10.7 MHz

EKIN-10.7D

V3.00

Features

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

Specifications @ 25°C

Frequency Range		10.7 MHz
LO / RF		DC - 0.5 MHz
I/Q		
Amplitude Unbalance	Typical 0.3 dB	Maximum 0.5 dB
Phase Unbalance	Typical 1°	Maximum 2°
Isolation		50 dB Minimum
LO to RF		
Conversion Loss	Typical 8.5 dB	Maximum 10 dB
(LO) Carrier Power		+10 ±2 dBm
Q = I -90° for RF > LO		

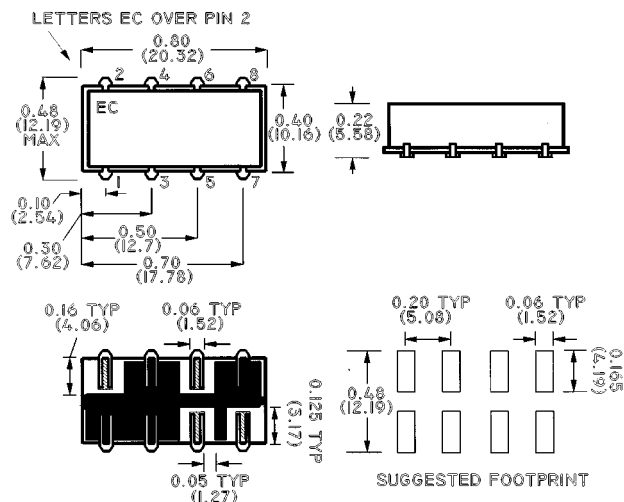
Operating Characteristics

Operating Temp.	-10°C to +70°C
Storage Temp.	-40°C to +85°C
Impedance	50 Ohms Nominal
RF Power (1dB Compression)	3 dBm Maximum
DC Offset Voltage	1 mV Typical

Ordering Information

Part No.	Packaging
EKIN-10.7D	Tube
EKIN-10.7DTR	Forward Tape & Reel

SM-28



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

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