

E-Series I/Q Demodulator

90 MHz

EKIN2-90D

V3.00

Features

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

Specifications @ 25°C

Frequency Range		90 MHz
LO / RF		DC - 0.5 MHz
I/Q		
Amplitude Unbalance	Typical 0.2 dB	Maximum 0.5 dB
Phase Unbalance	Typical 1°	Maximum 2°
Isolation	Typical 55 dB	Minimum 40 dB
LO to RF		
Conversion Loss	Typical 6 dB	Maximum 9 dB
(LO) Carrier Power		+10 dBm
Input IP ₃ ¹	Typical 17 dBm	Minimum 15 dBm

1. Input IP₃ Test Conditions
 RF1: 90.4 MHz @ -10 dBm
 RF2: 90.5 MHz @ -10 dBm
 LO: 90 MHz @ +10 dBm

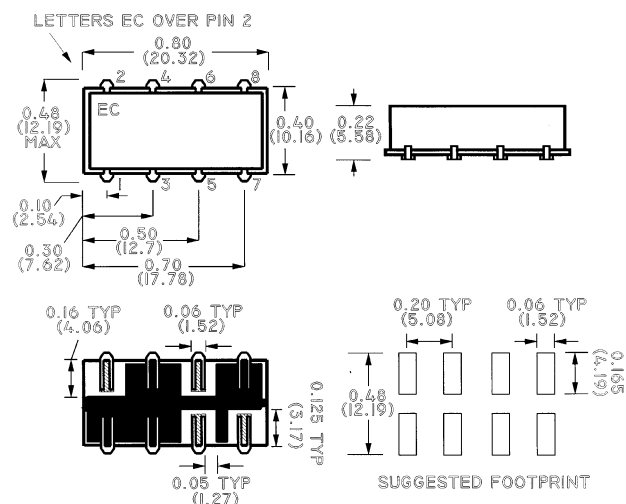
Operating Characteristics

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

Ordering Information

Part No.	Packaging
EKIN2-90D	Tube
EKIN2-90DTR	Forward Tape & Reel

SM-28



Pin Configuration

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

S 1091 A

Specifications Subject to Change Without Notice.

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