

E-Series I/Q Demodulator 10 MHz

EKIN-10D

V3.00

Features

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

Specifications @ 25°C

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

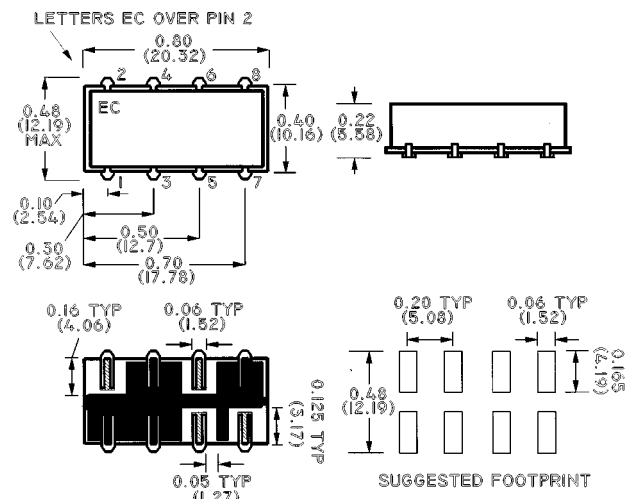
Operating Characteristics

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-10D	Tube
EKIN-10DTR	Forward Tape & Reel

SM-28



Pin Configuration

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

S0611 C

Specifications Subject to Change Without Notice.

M/A-COM, Inc.

North America: Tel. (800) 366-2266 ■ Asia/Pacific: Tel. +81 (03) 3226-1671 ■ Europe: Tel. +44 (1344) 869 595
Fax (800) 618-8883 Fax +81 (03) 3226-1451 Fax +44 (1344) 300 020