

E-Series I/Q Demodulator

21.4 MHz

EKIN2-21.4D

V3.00

Features

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

Specifications @ 25°C

Frequency Range		21.4 MHz
LO / RF		DC - 0.27 MHz
I/Q		
Amplitude Unbalance		Maximum 0.75 dB
Phase Unbalance		Maximum 1.5°
Isolation		Minimum 55 dB
LO to RF		
Conversion Loss	Typical 5.5 dB	Maximum 6.5 dB
(LO) Carrier Power		+10 ±2 dBm
Q = I -90° for RF > LO		

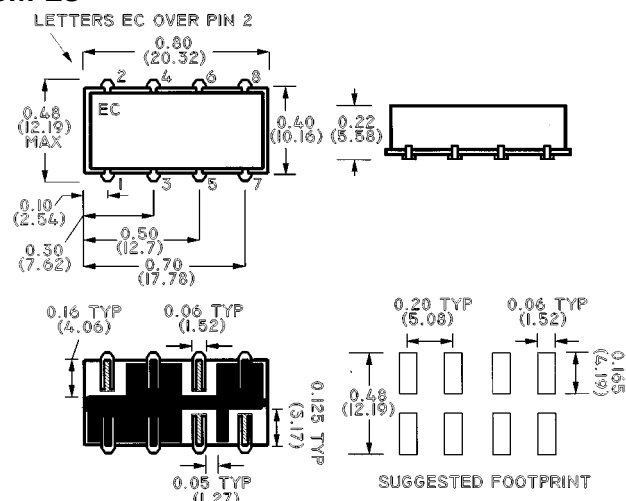
Operating Characteristics

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

Ordering Information

Part No.	Packaging
EKIN2-21.4D	Tube
EKIN2-21.4DTR	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 0835 B