

E-Series I/Q Demodulator

215 - 255 MHz

EKIN2-220D

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
LO / RF		215 - 255 MHz
I/Q		DC - 0.27 MHz
Amplitude Unbalance	Typical	Maximum
	0.3 dB	0.5 dB
Phase Unbalance	Typical	Maximum
	1.0°	1.5°
Isolation		Minimum
LO to RF		50 dB
Conversion Loss	Typical	Maximum
	6 dB	7 dB
(LO) Carrier Power		+10 ±1 dBm
Q = I -90° for RF > LO		

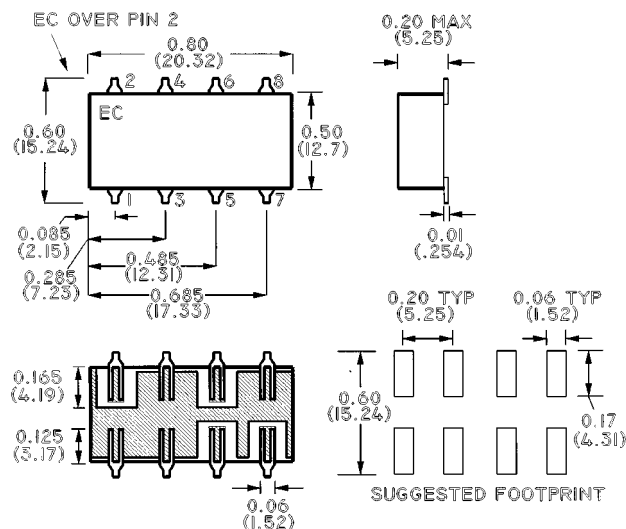
Operating Characteristics

Operating Temp.	-10°C to +70°C
Storage Temp.	-40°C to +85°C
Impedance	50 Ohms Nominal
RF Power (1dB Compression)	2 dBm Maximum
DC Offset Voltage	2 mV Typical

Ordering Information

Part No.	Packaging
EKIN2-220D	Tube

SM-7-1



Dimensions in () are in mm.
Unless Otherwise Noted: .x = ±0.04 (1.00)
.xx = ±0.02 (0.50)
.xxx = ±0.010 (0.250)

Pin Configuration

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

S 0699 B