

E-Series I/Q Demodulator

902 - 928 MHz

EKIN2-915D

V3.00

Features

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

Specifications @ 25°C

Frequency Range	902 - 928 MHz
LO / RF	DC - 10 MHz
I/Q	
Amplitude Unbalance	Maximum 0.75 dB
Phase Unbalance	Maximum 1.5°
Isolation	Minimum
LO to RF	40 dB
LO to I/Q	25 dB
Conversion Loss	Maximum 10 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)	4 dBm Maximum
DC Offset Voltage	5 mV Typical

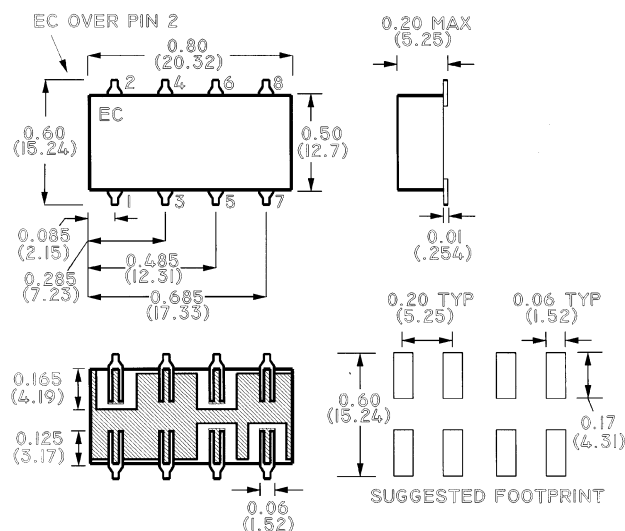
Ordering Information

Part No.	Packaging
EKIN2-915D	SM-7-1 in Tubes
EKIN2-915DX1	SM-28 in Tubes

Pin Configuration

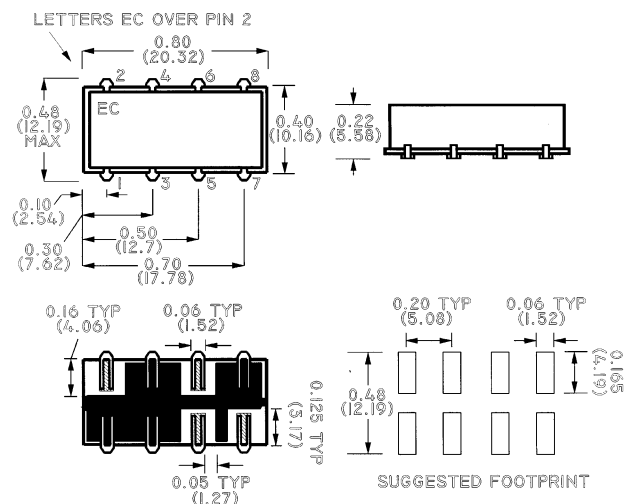
Function	Pin No.
LO	1
RF	8
I	5
Q	6
Case Ground	2,3,4,7

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)

SM-28



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

S 0664 C, S 0885 B