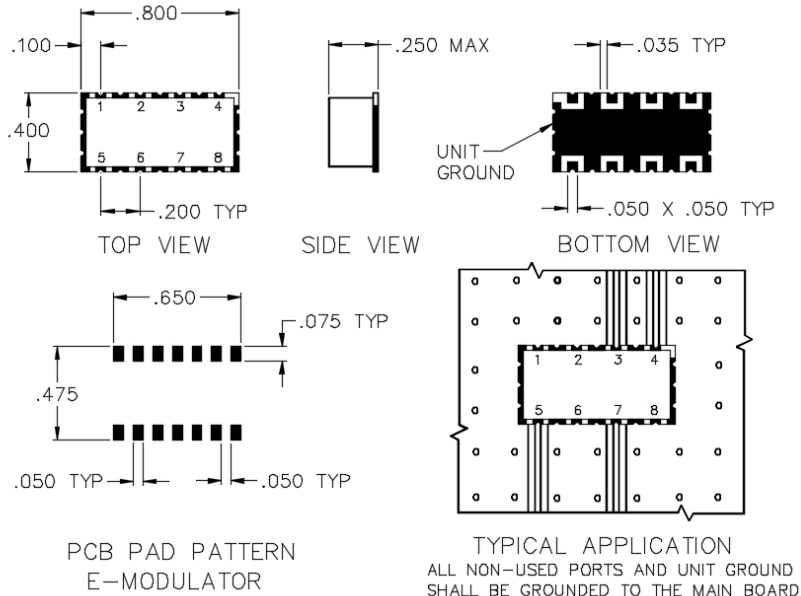


# ID-09-E

## QUADRATURE I.F. MIXER (DEMODULATOR)



## SPECIFICATIONS

Name:	ID-09-E
Carrier (LO) Frequency:	285-315 MHz
RF Frequency:	LO $\pm$ 50 MHz
IQ Frequency:	DC-50 MHz
Conversion Loss:	11 dB max.
Amplitude Balance:	0.4 dB max.
Phase Balance:	4° max.
Isolation:	
L/R:	35 dB min.
L/I:	30 dB min.
VSWR:	1.8:1 min.
Connector Type:	Surface

## PORT CONFIGURATION

RF:	4
LO:	5
I:	3
Q:	7
Ground:	1, 2, 6, 8

Specifications apply when operating LO power level is  $+10 \pm 0.5$  dBm and operating RF power level is  $-10 \pm 0.5$  dBm.  
IF Frequency (Q) is  $+90^\circ$  relative to IF frequency (I) when RF frequency is  $>$  LO frequency.

This is a commercial off the shelf (COTS) product.  
For an equivalent product that meets DFARS materials compliance, contact sales.  
All specifications are subject to change without notice at any time. Rev: 160203