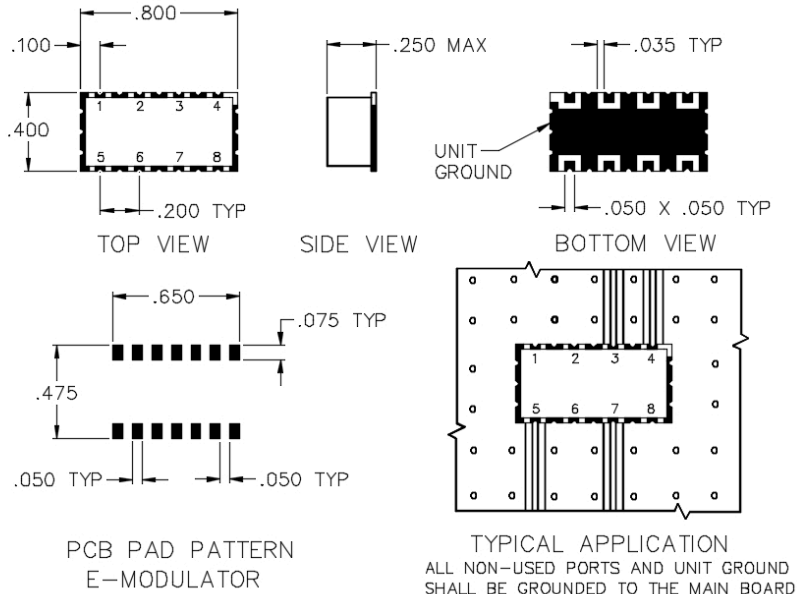


# ID-03-E

## QUADRATURE I.F. MIXER (DEMODULATOR)



### SPECIFICATIONS

Name:	ID-03-E
Carrier (LO) Frequency:	28.5-31.5 MHz
RF Frequency:	LO $\pm$ 10 MHz
IQ Frequency:	DC-10 MHz
Conversion Loss:	10 dB max.
Amplitude Balance:	0.4 dB max.
Phase Balance:	2° max.
Isolation:	
L/R:	40 dB min.
L/I:	35 dB min.
VSWR:	1.5:1 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° 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: 250614

