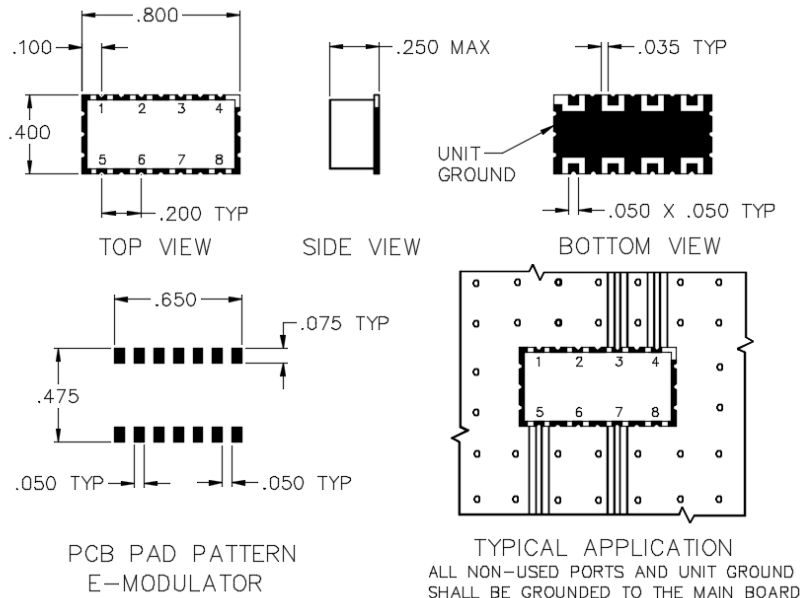


ID-02-E

QUADRATURE I.F. MIXER (DEMODULATOR)



SPECIFICATIONS

| | |
|-------------------------|----------------|
| Name: | ID-02-E |
| Carrier (LO) Frequency: | 20.3-22.4 MHz |
| RF Frequency: | LO \pm 5 MHz |
| IQ Frequency: | DC-5 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 ± 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