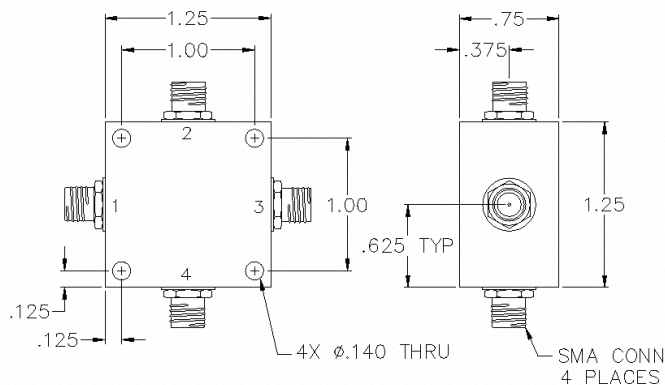
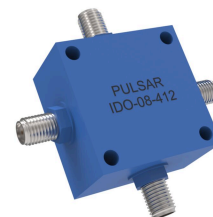


IDO-08-412

QUADRATURE I.F. MIXER (DEMODULATOR)



SPECIFICATIONS

| | |
|-------------------------|-----------------|
| Name: | IDO-08-412 |
| Carrier (LO) Frequency: | 300-550 MHz |
| RF Frequency: | LO \pm 50 MHz |
| IQ Frequency: | DC-50 MHz |
| Conversion Loss: | 11 dB max. |
| Amplitude Balance: | 0.7 dB max. |
| Phase Balance: | 6° max. |
| Isolation: | |
| L/R: | 30 dB min. |
| L/I: | 25 dB min. |
| VSWR: | 1.8:1 min. |
| Connector Type: | SMA |

PORT CONFIGURATION

| | |
|---------|---------|
| RF: | 3 |
| LO: | 1 |
| I: | 2 |
| Q: | 4 |
| Ground: | Housing |

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. SMA female connectors standard, also available with BNC, TNC, F, and N connectors.

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