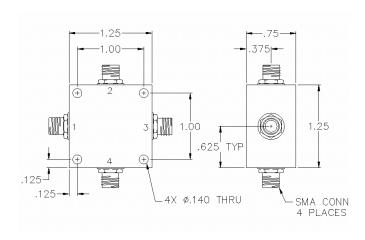
ID0-02-412

QUADRATURE I.F. MIXER (DEMODULATOR)





SPECIFICATIONS

Name: IDO-02-412

Carrier (LO) Frequency: 20-40 MHz RF Frequency: LO \pm 5 MHz IQ Frequency: DC-5 MHz

Conversion Loss: 10 dB max.

Amplitude Balance: 0.5 dB max.

Amplitude Balance: 0.5 dB max Phase Balance: 5° max.

Isolation:

 L/R:
 35 dB min.

 L/I:
 30 dB min.

 VSWR:
 1.5:1 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° 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

