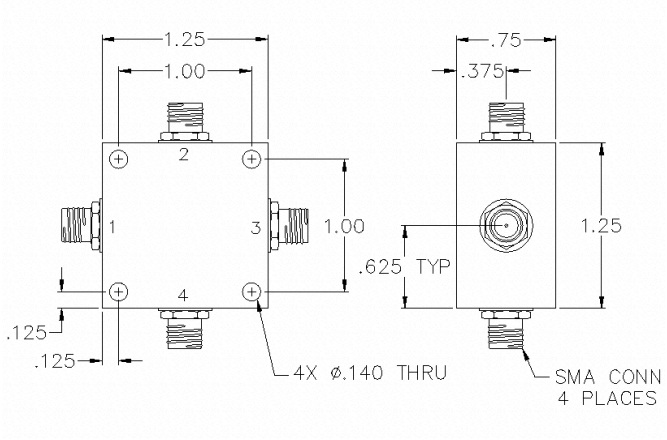
IDO-03-412

QUADRATURE I.F. MIXER (DEMODULATOR)



SPECIFICATIONS

Name:	IDO-03-412
Carrier (LO) Frequency:	40-80 MHz
RF Frequency:	LO ± 20 MHz
IQ Frequency:	DC-20 MHz
Conversion Loss:	10 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 ± 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

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