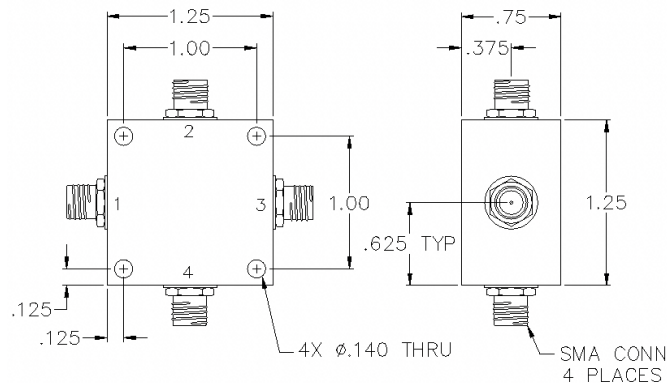


# ID-09-412

## QUADRATURE I.F. MIXER (DEMODULATOR)



### SPECIFICATIONS

Name:	ID-09-412
Carrier (LO) Frequency:	285-315 MHz
RF Frequency:	LO $\pm$ 50 MHz
IQ Frequency:	DC-50 MHz
Conversion Loss:	11 dB max.
Amplitude Balance:	0.4 dB max.
Phase Balance:	4° max.
Isolation:	
L/R:	35 dB min.
L/I:	30 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  $-10 \pm 0.5$  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: 220628

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