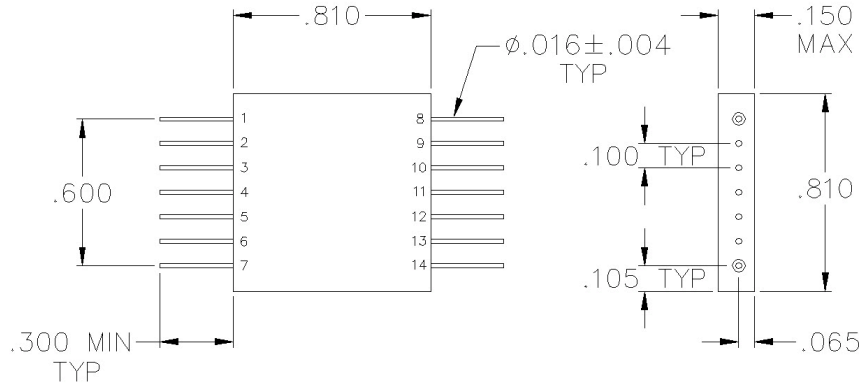


# IDO-05-302

## QUADRATURE I.F. MIXER (DEMODULATOR)



### SPECIFICATIONS

Name:	IDO-05-302
Carrier (LO) Frequency:	100-190 MHz
RF Frequency:	LO $\pm$ 40 MHz
IQ Frequency:	DC-40 MHz
Conversion Loss:	11 dB max.
Amplitude Balance:	0.6 dB max.
Phase Balance:	5° max.
Isolation:	
L/R:	35 dB min.
L/I:	30 dB min.
VSWR:	1.5:1 min.
Connector Type:	Pin

### PORT CONFIGURATION

RF:	14
LO:	1
I:	12
Q:	5
Ground:	2-4, 6-11, 13

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° 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: 250614

