

# IM-07-412



## SINGLE SIDEBAND IQ MODULATOR



### SPECIFICATIONS

Name:	IM-07-412
Carrier Frequency (+10 dBm):	133-147 MHz
Modulation Frequency (-10 dBm):	DC-50 MHz
Carrier Power:	+10 dBm nom.
Conversion Loss:	8.0 dB max.
Compression Point:	0 dBm min.
Sideband Rejection:	30 dBc min.
Carrier Rejection:	30 dBc min.
Connector Type:	SMA

### PORT CONFIGURATION

Carrier:	1
Mod. I:	2
Mod. Q:	4
RF Out:	3
Ground:	Housing

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

Single Sideband Modulators do not include baseband quadrature hybrids.

Lower Sideband is suppressed when modulation frequency Q is +90° relative to modulation frequency I.

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: 250318

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