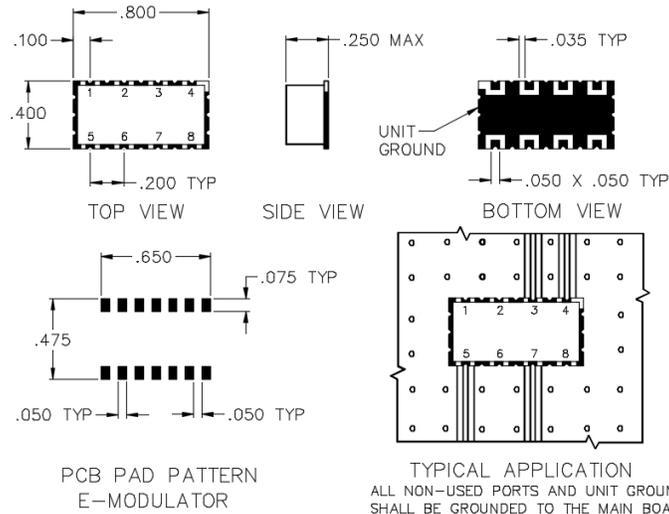


# MT-09-E

## QUADRAPHASE MODULATOR



## SPECIFICATIONS

Name:	MT-09-E
Frequency Range:	285-315 MHz
Insertion Loss:	7.0 dB max.
1 dB Compression Point:	+4 dBm min.
Amplitude Balance:	0.4 dB max.
Phase Balance:	4° max.
VSWR:	1.50:1 max.
Package Type:	Surface

Specifications are for a drive current of  $\pm 20$  mA.  
Maximum RF input power is +10 dBm.  
TTL Control option available, contact sales.

## PORT CONFIGURATION

Input:	5
Output:	3
D1:	7
D2:	4
Ground:	1, 2, 6, 8

## TRUTH TABLE

Phase	D1 (mA)	D2 (mA)
0°	+20	+20
90°	+20	-20
180°	-20	-20
270°	-20	+20

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: 160203

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