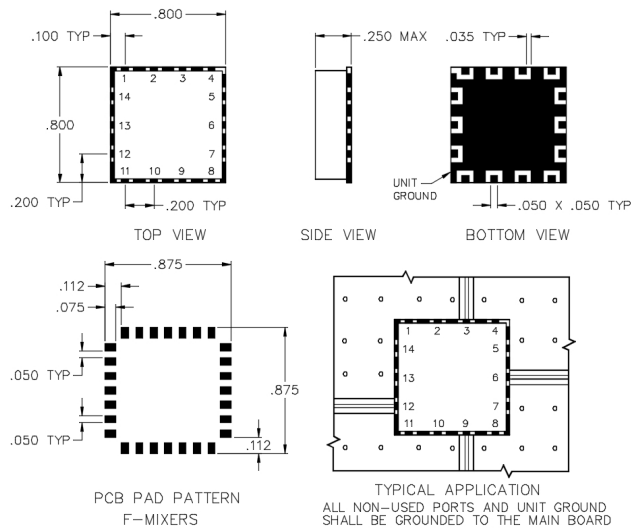


# MO-06-F

## QUADRAPHASE MODULATOR



### SPECIFICATIONS

|                         |             |
|-------------------------|-------------|
| Name:                   | MO-06-F     |
| Frequency Range:        | 150-280 MHz |
| Insertion Loss:         | 8.0 dB max. |
| 1 dB Compression Point: | +4 dBm min. |
| Amplitude Balance:      | 0.8 dB max. |
| Phase Balance:          | 5° max.     |
| VSWR:                   | 1.70:1 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:  | 12         |
| Output: | 9          |
| D1:     | 3          |
| D2:     | 6          |
| Ground: | All Others |

### 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