



Electrical:

Specifications:

| | | | |
|---|--------------------------|-------|-----------|
| Frequency Range: LO | 20-40 | Mhz | |
| Frequency Range: RF | 20-40 | Mhz | |
| Frequency Range: IF | DC-10 | Mhz | |
| LO Power Level: | +10 to +13 | dBm | Typ |
| Conversion Loss: | 8.0 / 9.0 | dB | Typ / Max |
| Side Band Rejection: | 25 | dBc | Min |
| Carrier Rejection: | 25 | dBc | Min |
| Input 1 dB Compression: | +5 | dBm | Typ |
| Low side is Rejected when Q-port is +90 degree relative to I-port | | | |
| Input Two-Tone Third Order Intercept Point: | +15 | dBm | Typ |
| Operating Temp.: | -55 to +80°C | | |
| Weight: | 64 | grams | Typ |
| Operating Humidity: | Up to 90% non-condensing | | |

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QM50A10

**I, Q Side Band Modulator
SMA Connectors**

Dimensions are in inches and (mm)
Decimal Tolerance:
2 place +- 0.020
3 place +- 0.010

CAGE CODE : 69UC1

Notes: All dimensions are typical unless they are specified.
Specifications are subject to change at any time without any notice.
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