**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
- **Amplitude Balance I - Q**: 0.4 dB Max
- **Phase Balance I - Q**: 4 Degrees Max
- **Isolation: LO-IF**: 35 dB Min
- **Isolation: LO-RF**: 45 dB Min
- **Isolation: RF-I, RF-Q**: 25 dB Min
- **Input 1 dB Compression**: +5 dBm Typ
- **Phase at Q-port is +90 deg. relative to I-port when frequency RF > LO**
- **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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**SigaTek**

QD50A10

I, Q Demodulator SMA Quad IF Mixer

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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