**Electrical:**

**Specifications:**

- **Frequency Range: LO**
  - 8000-10000 Mhz
- **Frequency Range: RF**
  - 8000-10000 Mhz
- **Frequency Range: IF**
  - DC-300 Mhz
- **LO Power Level:**
  - +10 to +13 dBm Typ
- **Conversion Loss:**
  - 10.0 / 11.0 dB Typ / Max
- **Amplitude Balance I - Q:**
  - 1.2 dB Max
- **Phase Balance I - Q:**
  - 10 Degrees Max
- **Isolation: LO-IF**
  - 30 dB Min
- **Isolation: LO-RF**
  - 40 dB Min
- **Isolation: RF-I, RF-Q**
  - 20 dB Min
- **Input 1 dB Compression:**
  - +5 dBm Typ
- **Phase at Q-port is +90 deg. relative to l-port when frequency RF > LO**
- **Input Two-Tone Third Order Intercept Point:**
  - +15 dBm Typ
- **Operating Temp.:**
  - -55 to +80°C
- **Weight:**
  - 240 grams Typ
- **Operating Humidity:**
  - Up to 90% non-condensing

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**SigaTek**

**QD29A11**

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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