**Electrical Specifications:**

**Frequency Range:**
- **LO:** 2200-2500 MHz
- **RF:** 2200-2500 MHz
- **IF:** DC-100 MHz

**LO Power Level:**
+10 to +13 dBm Typ

**Conversion Loss:**
9.0 / 10.0 dB Typ / Max

**Amplitude Balance I - Q:** 0.9 dB Max

**Phase Balance I - Q:** 8 Degrees Max

**Isolation:**
- **LO-IF:** 25 dB Min
- **LO-RF:** 30 dB Min
- **RF-I, RF-Q:** 20 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**

**QD25A10**

I, Q Demodulator SMA Quad IF Mixer

**Dimensions:**
- 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.
- Copy or distribution of this drawing in not allowed without SigaTek's approval.