



Electrical:		Specifications:	
Frequency Range: LO	150-300	Mhz	
Frequency Range: RF	150-300	Mhz	
Frequency Range: IF	DC-50	Mhz	
LO Power Level:	+10 to +13	dBm	Typ
Conversion Loss:	8.5 / 9.5	dB	Typ / Max
Amplitude Balance I - Q:	0.6	dB	Max
Phase Balance I - Q:	5	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		

<h1>SigaTek</h1>	423 Black Oak Ridge Rd. Wayne, NJ 07470 Ph: 973-706-8475, Fax: 973-832-4435 www.sigatek.com
<h2>QD53A10</h2>	<h3>I, Q Demodulator SMA Quad IF Mixer</h3>
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. Copy or distribution of this drawing is not allowed without Sigatek's approval.	