



## 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
Side Band Rejection:	23	dBc	Min
Carrier Rejection:	23	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		

# SigaTek

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## QM53A10

## 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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