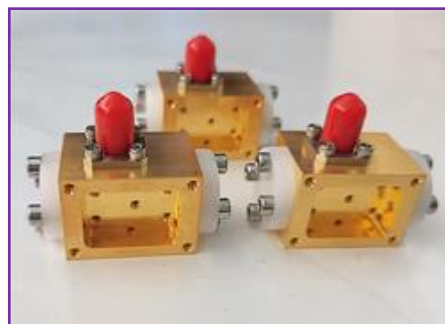


High IF Mixer Module

Product Features

- RF Freq.: 90-140GHz
- LO Freq.: 90GHz~140GHz
- IF Freq.: DC~40GHz
- Conversion Loss: 5dB@1GHz(typical)



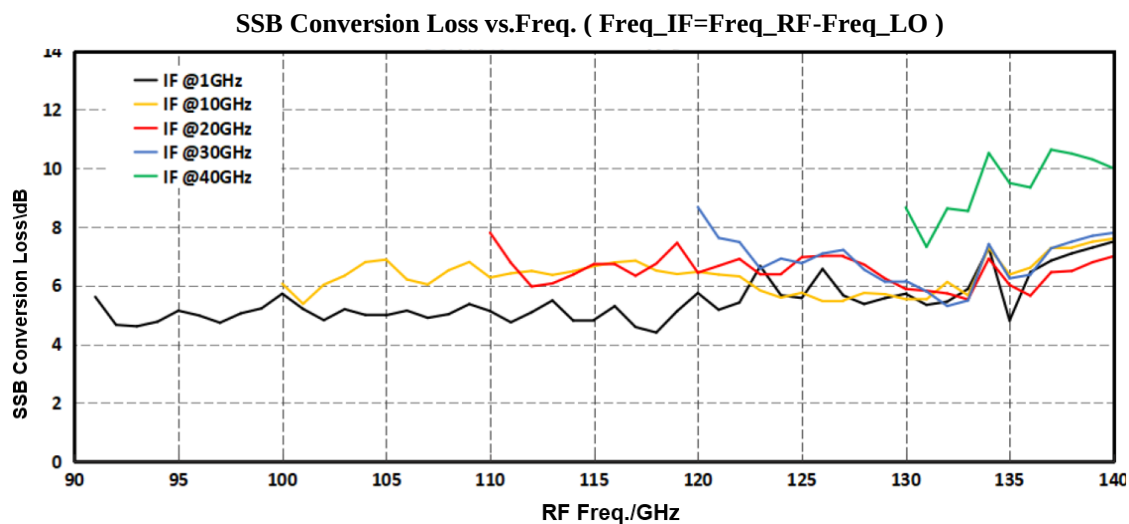
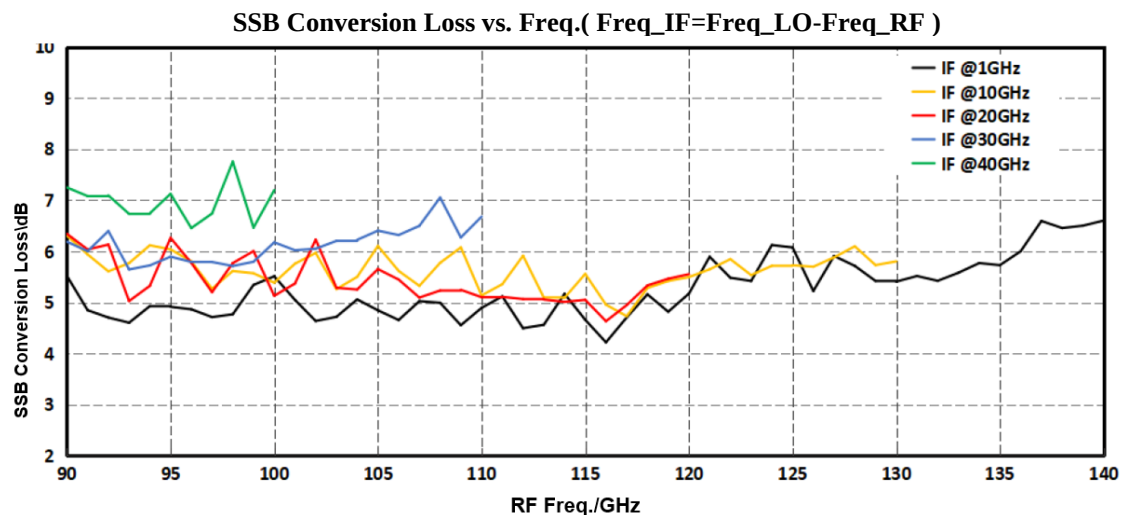
Electrical Specs:

Parameter	Minimum	Typical	Maximum
RF Frequency Range	90 GHz		140 GHz
LO Frequency Range	90 GHz		140 GHz
IF Frequency Range	DC		40GHz
SSB Conversion Loss		5 dB@1GHz	7.5dB@1GHz
		6dB@10GHz	7.5dB@10GHz
RF Input P1dB	3dBm		
RF Input Power			12dBm
LO Power	10dBm	13dBm	15dBm
Storage Temperature	0 °C		+50 °C
Operating Temperature	+10 °C		+50 °C

Mechanical Specs:

Item	Specification
RF Input	WR08 Waveguide with W/UG-387/U-M Flange
LO Input	WR08 Waveguide with W/UG-387/U-M Flange
IF Output	2.92mm Female
Material	Brass/Gold Plated
Weight	0.15kg
Size (W×L×H)	23.5mm×19.1mm×19.1 mm

Measured Performance:



Mechanical Outline:

