

QIM-6000-10000

6~10GHz

Features:

- * Low Conversion Loss
- * High Isolation

Applications:

- * Wireless
- * Transceiver
- * Laboratory Test
- * Broadcast



Electrical

RF/LO Frequency:	6~10GHz
LO Input Power:	15dBm typ.
IF Frequency:	DC~3.5GHz
Conversion Loss	9dB typ.
(combined):	
VSWR:	2 typ.
Isolation (LO, RF):	40dB typ.
Isolation (LO, IF):	25dB typ.
Isolation (RF, IF):	35dB typ.

Absolute Maximum Ratings

RF/IF Input Power:	20dBm
LO Input Power:	27dBm
IF Current:	12mA

Mechanical

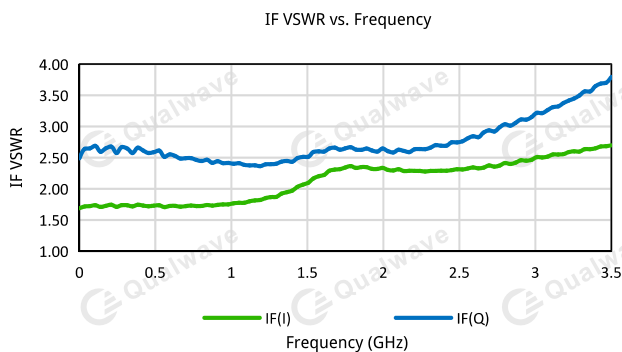
Size ^{*1} :	20*20*10mm 0.787*0.787*0.394in
Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole

[1] Exclude connectors.

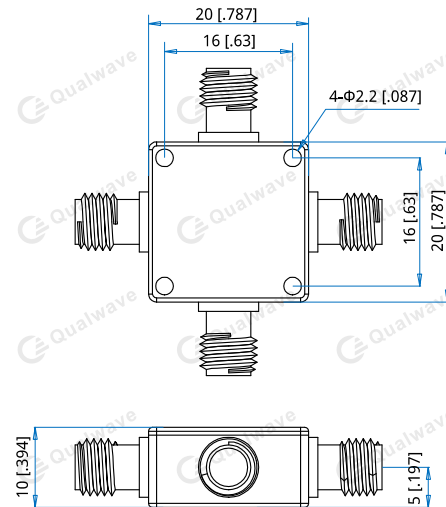
Environmental

Operating Temperature:	-40~+70°C
Non-operating Temperature:	-55~+100°C

Typical Performance Curves



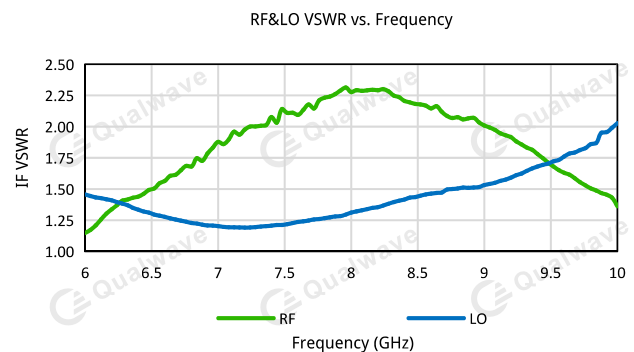
Outline Drawings



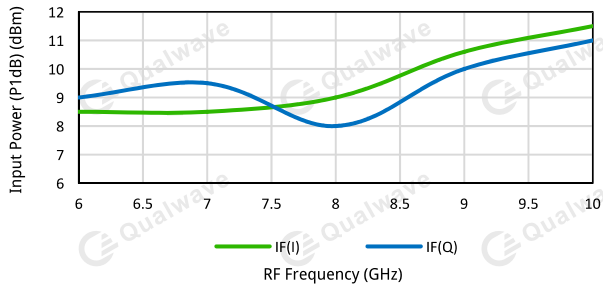
Unit: mm [in]
Tolerance: ±0.5mm [±0.02in]

How To Order
QIM-6000-10000

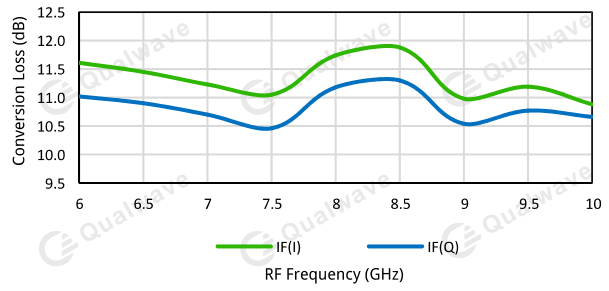
Customization is available upon request.



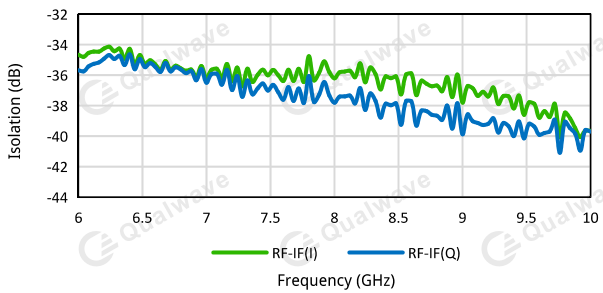
Input Power (P1dB) @IF=1.5GHz, LO=15dBm



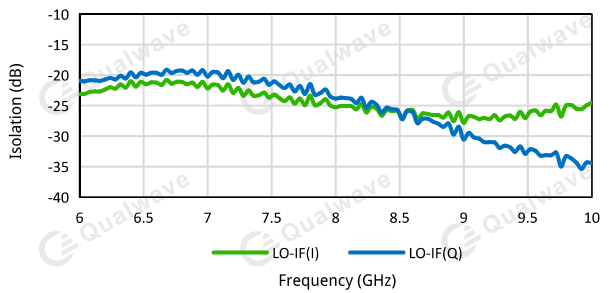
Conversion Loss @IF=100MHz, LO=15dBm



RF-IF Isolation vs. Frequency@LO=15dBm



LO-IF Isolation vs. Frequency@LO=15dBm



RF-LO Isolation vs. Frequency@LO=15dBm

