

FIM-5000-11000

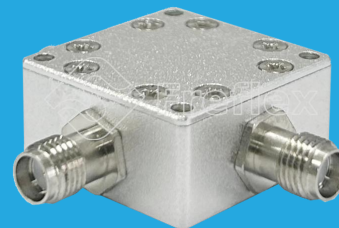
5~11GHz

Features:

- * Low Conversion Loss
- * High Isolation

Applications:

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


Electrical

RF/LO Frequency:	5~11GHz
LO Input Power:	19dBm typ.
IF Frequency:	DC~4GHz
Input P1dB:	17dBm typ.
Conversion Loss	11dB typ.
(combined):	
IF VSWR:	2 typ.
RF VSWR:	3.5 typ.
LO VSWR:	2.5 typ.
Isolation (LO, RF):	45dB typ.
Isolation (LO, IF):	30dB typ.
Isolation (RF, IF):	30dB typ.

Absolute Maximum Ratings^{*1}

RF/IF Input Power:	20dBm
LO Input Power:	27dBm

[1] Permanent damage may occur if any of these limits are exceeded.

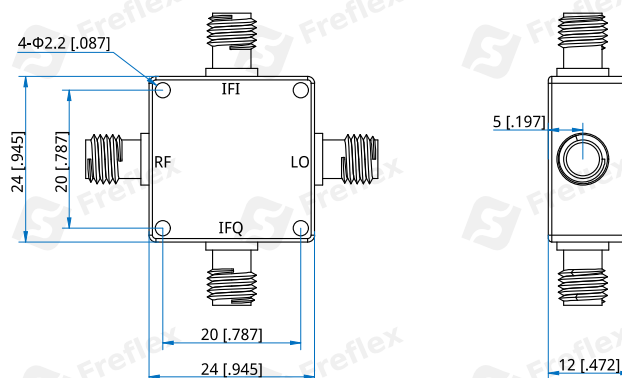
Mechanical

Size ^{*2} :	24*24*12mm 0.945*0.945*0.472in
Connectors:	SMA Female
Mounting:	4-Φ2.2mm through-hole

[2] Exclude connectors.

Environmental

Operating Temperature:	-40~+85°C
Non-operating Temperature:	-55~+125°C

Outline Drawings


Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

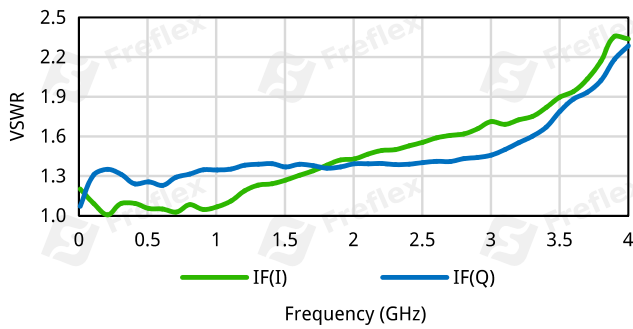
How To Order

FIM-5000-11000

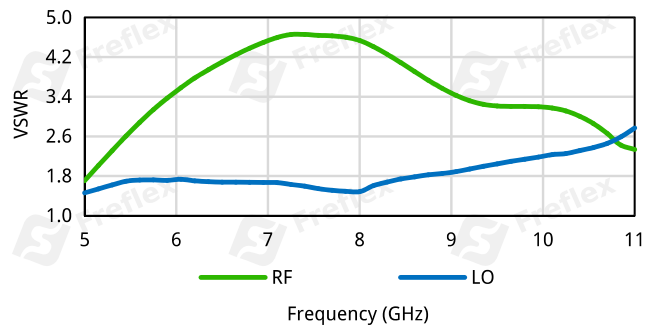
Customization is available upon request.

Typical Performance Curves

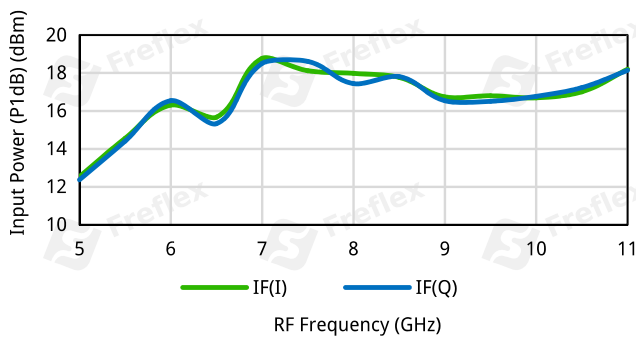
IF VSWR vs. Frequency



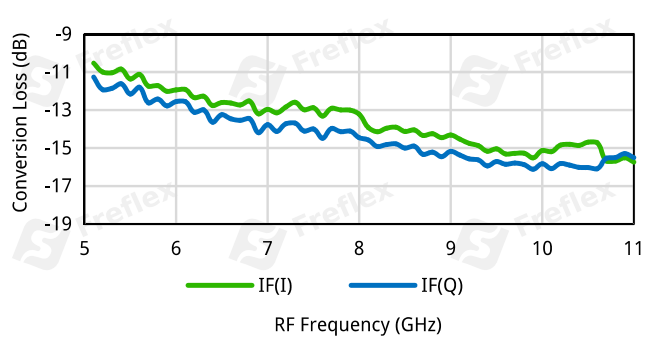
RF&LO VSWR vs. Frequency



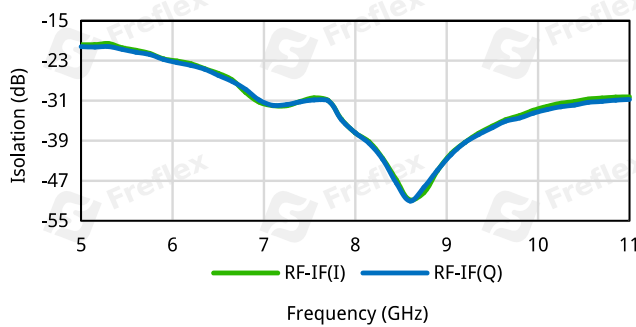
Input Power (P1dB) @IF=100MHz, LO=19dBm



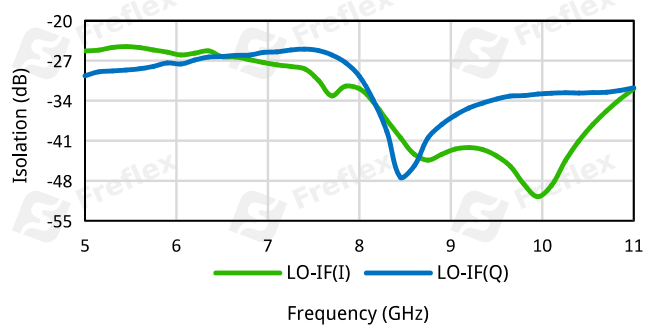
Conversion Loss @IF=100MHz, LO=19dBm



RF-IF Isolation vs. Frequency@LO=19dBm



LO-IF Isolation vs. Frequency@LO=19dBm



RF-LO Isolation vs. Frequency@LO=19dBm

