

FBM-2000-22000

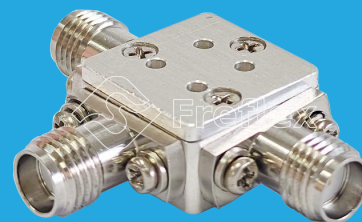
2~22GHz

Features:

- * Low Conversion Loss
- * High Isolation

Applications:

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



Electrical

RF Frequency:	2~22GHz
LO Frequency:	2~22GHz
LO Input Power:	+13~15dBm
IF Frequency:	DC~3.5GHz
Conversion Loss:	9dB typ.
Isolation (LO, RF):	40dB typ.
Isolation (LO, IF):	30dB typ.
Isolation (RF, IF):	30dB typ.
VSWR:	3 typ.

Absolute Maximum Ratings^{*1}

RF Input Power:	+22dBm
IF Current:	10mA

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

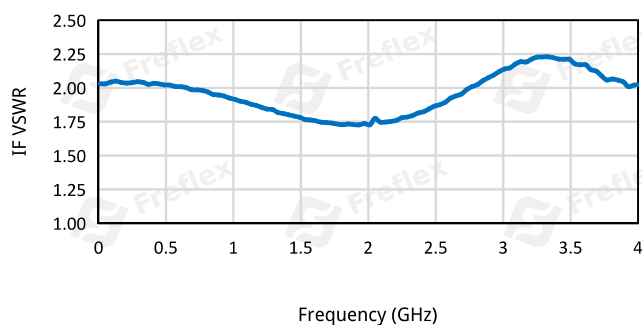
Mechanical

Size ^{*2} :	14*14*8mm 0.551*0.551*0.315in
Connectors:	SMA Female
Mounting:	4-Φ1.6mm through-hole

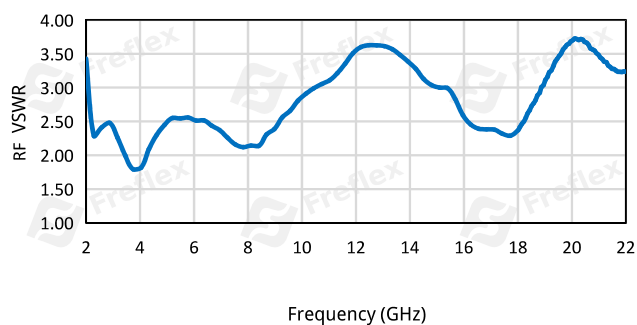
[2] Exclude connectors.

Typical Performance Curves

IF VSWR vs. Frequency @ LO=13dBm



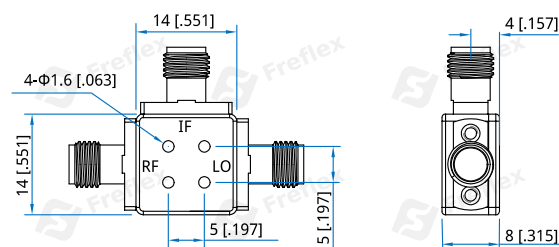
RF VSWR vs. Frequency @ LO=13dBm



Environmental

Operating Temperature:	-55~+85°C
Non-operating Temperature:	-65~+150°C

Outline Drawings



Unit: mm [in]

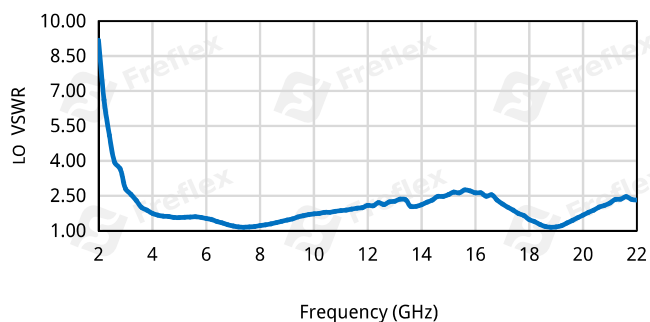
Tolerance: ±0.2mm [±0.008in]

How To Order

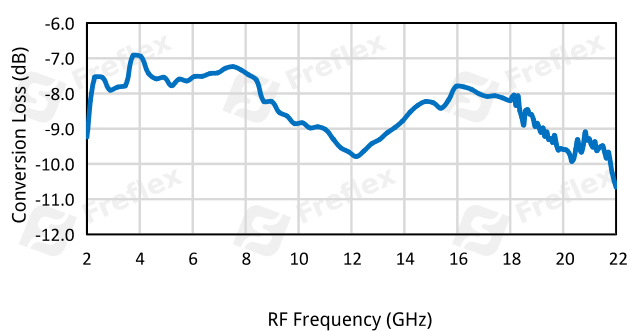
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Customization is available upon request.

LO VSWR vs. Frequency @ LO=13dBm



Downconversion LOSS VS. Frequency @ IF=10.7MHz, LO=13dBm



Isolation vs. Frequency @ LO=0dBm

