

FBM-17000-40000

17~40GHz

Features:

- * Low Conversion Loss
- * High Isolation

Applications:

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



Electrical

RF Frequency:	17~40GHz
LO Frequency:	17~40GHz
LO Input Power:	+15dBm typ.
IF Frequency:	DC~18GHz
Conversion Loss:	7dB typ.
Isolation (LO, RF):	40dB typ.
Isolation (LO, IF):	30dB typ.
Isolation (RF, IF):	30dB typ.
VSWR (IF):	2 typ.
VSWR (RF):	2 typ.
VSWR (LO):	3 typ.

Absolute Maximum Ratings^{*1}

Input Power:	+22dBm
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[1] Permanent damage may occur if any of these limits are exceeded.

Mechanical

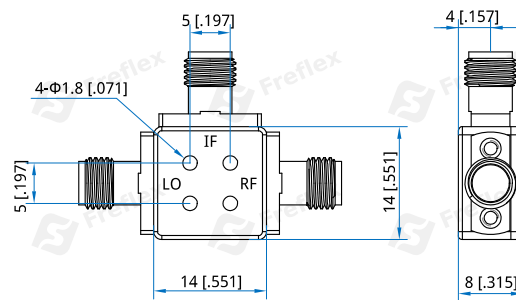
Size ^{*2} :	14*14*8mm 0.551*0.551*0.315in
IF Connectors:	SMA Female
RF/LO Connectors:	2.92mm Female
Mounting:	4*Φ1.8mm through-hole

[2] Exclude connectors.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

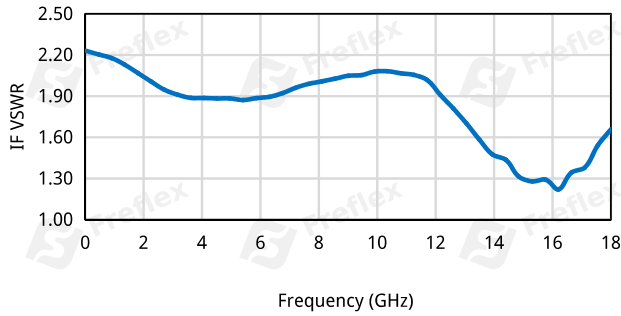
How To Order

FBM-17000-40000

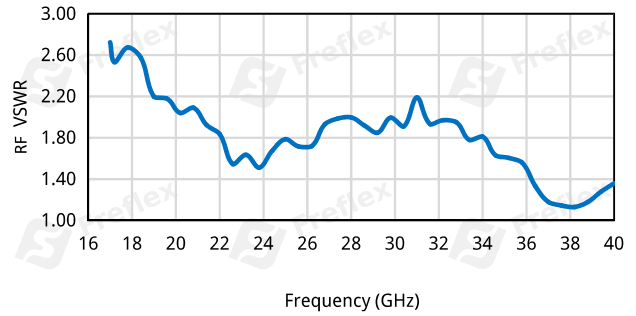
Customization is available upon request.

Typical Performance Curves

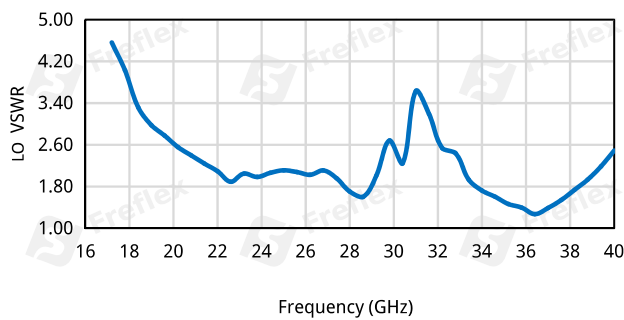
IF VSWR vs. Frequency @RF=28GHz @LO=15dBm



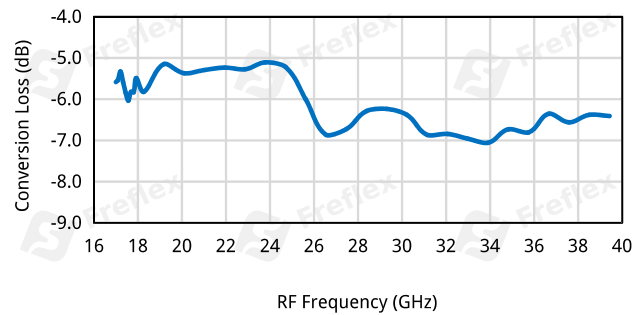
RF VSWR vs. Frequency @RF=28GHz @LO=15dBm



LO VSWR vs. Frequency @RF=28GHz @LO=15dBm



Downconversion Loss vs. Frequency @IF=100MHz @LO=15dBm



Isolation vs. Frequency @LO=0dBm

