

NBM-2500-18000

2.5~18GHz

Features:

- * Low Conversion Loss
- * High Isolation

Applications:

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



Electrical

| | |
|---------------------|-------------|
| RF Frequency: | 2.5~18GHz |
| LO Frequency: | 2.5~18GHz |
| LO Input Power: | +13dBm typ. |
| IF Frequency: | DC~6GHz |
| Conversion Loss: | 10dB typ. |
| Isolation (LO, RF): | 30dB typ. |
| Isolation (LO, IF): | 25dB typ. |
| Isolation (RF, IF): | 16dB typ. |

Absolute Maximum Ratings^{*1}

| | |
|--------------------|-------|
| RF/IF Input Power: | 16dBm |
| LO Input Power: | 20dBm |

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

Mechanical

| | |
|----------------------|---------------------------------|
| Size ^{*2} : | 16*13*8mm 0.63*0.512*0.315in |
| Connectors: | SMA Female |
| Mounting: | 4*Φ2.2mm through-hole |

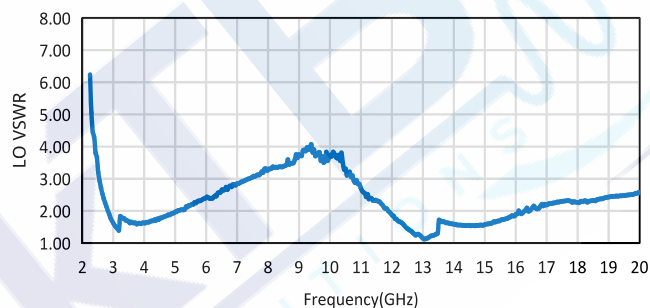
[2] Exclude connectors.

Environmental

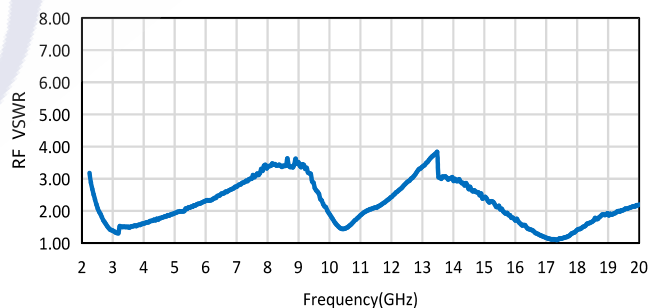
| | |
|----------------------------|------------|
| Operating Temperature: | -40~+85°C |
| Non-operating Temperature: | -55~+125°C |

Typical Performance Curves

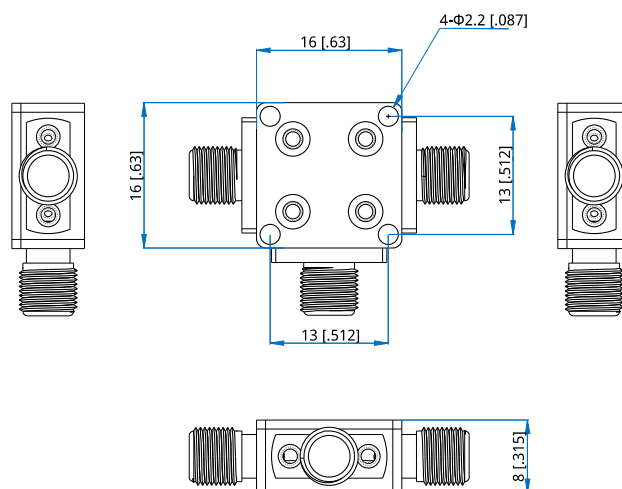
LO VSWR vs. Frequency



RF VSWR vs. Frequency



Outline Drawings



Unit: mm [in]

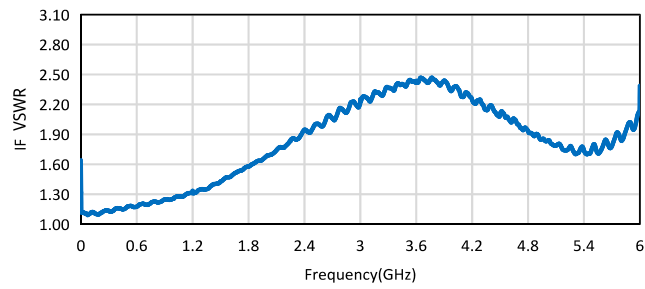
Tolerance: ±0.2mm [±0.008in]

How To Order

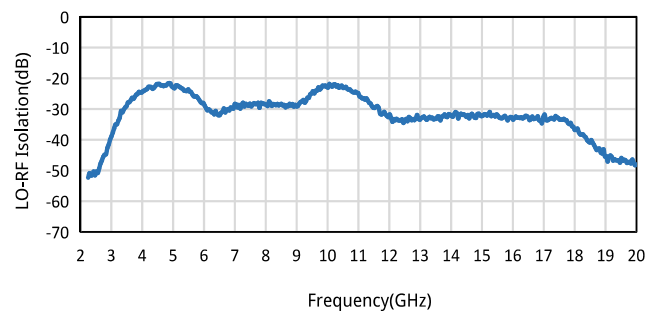
NBM-2500-18000

Customization is available upon request.

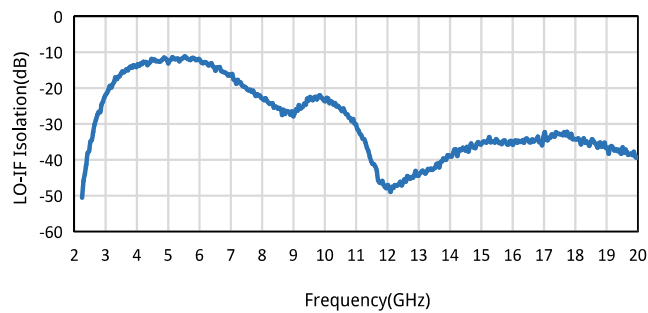
IF VSWR vs. Frequency



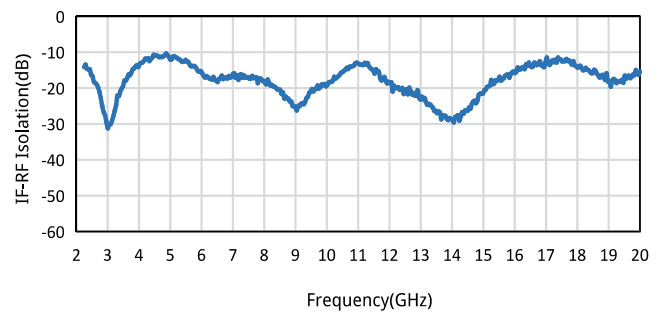
LO-RF Isolation vs. Frequency



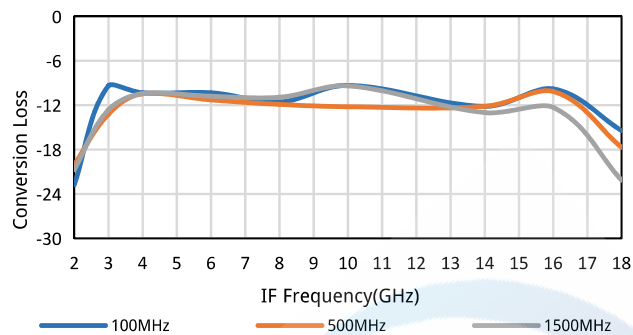
LO-IF Isolation vs. Frequency



IF-RF Isolation vs. Frequency



Conversion loss vs. Frequency (High-Side-LO)



Conversion loss vs. Frequency (Low-Side-LO)

