

## QFM3-9000-18000-15

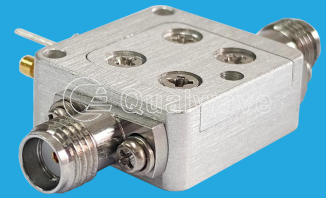
### X3, 9~18GHz, 15dBm

#### Features:

- \* Broadband
- \* Low Power Consumption

#### Applications:

- \* Wireless
- \* Transmitter
- \* Laboratory Test



#### Electrical

Input Frequency:	3~6GHz
Output Frequency:	9~18GHz
Multiple Ratio:	3
Input Power:	15dBm typ.
Output Power:	15dBm typ.
Conversion Gain:	0dB typ.
Fundamental Isolation:	20dBc typ.
Second Harmonic Isolation:	20dBc typ.
Fourth harmonic Isolation:	20dBc typ.
VSWR:	2 typ.
Voltage:	+5V DC typ.
Current:	60mA typ.
Impedance:	50Ω

#### Absolute Maximum Ratings\*1

RF Input Power:	+20dBm
Voltage:	+6V

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

#### Mechanical

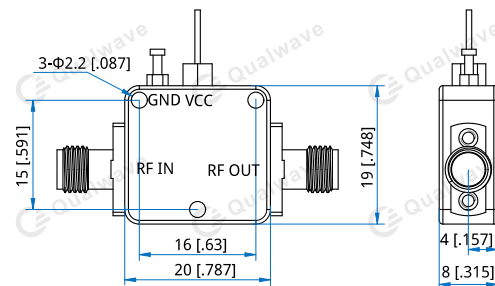
Size*2:	20*19*8mm
	0.787*0.748*0.315in
Connectors:	SMA Female (Removable)
Mounting:	3-Φ2.2mm through-hole

[2] Exclude connectors.

#### Environmental

Operating Temperature:	-45~+85°C
Non-operating Temperature:	-55~+125°C

#### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

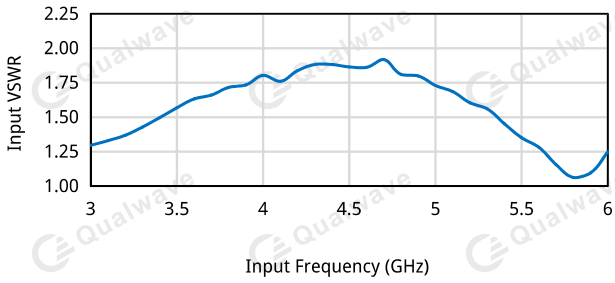
#### How To Order

**QFM3-9000-18000-15**

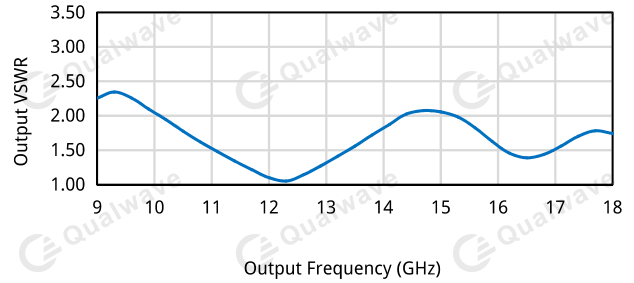
Customization is available upon request.

## Typical Performance Curves

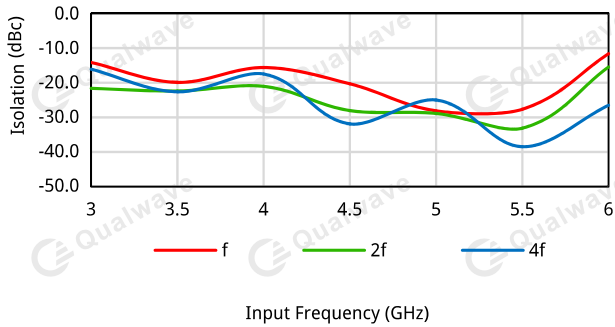
Input VSWR vs. Frequency



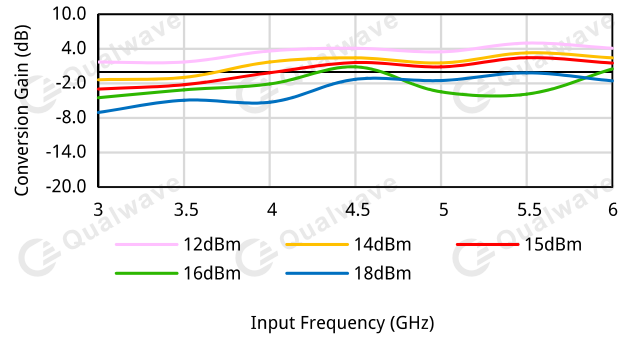
Output VSWR vs. Frequency



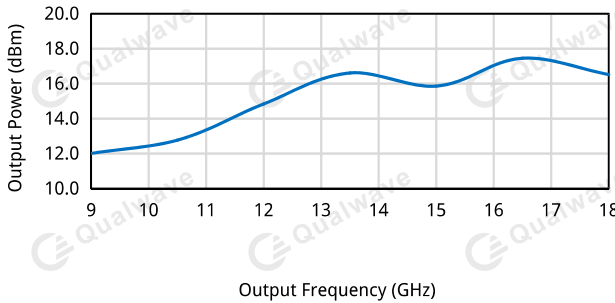
Isolation vs. Frequency @Pin=15dBm



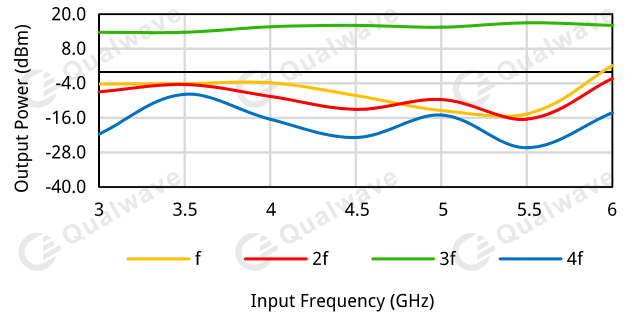
Conversion Gain vs. Frequency



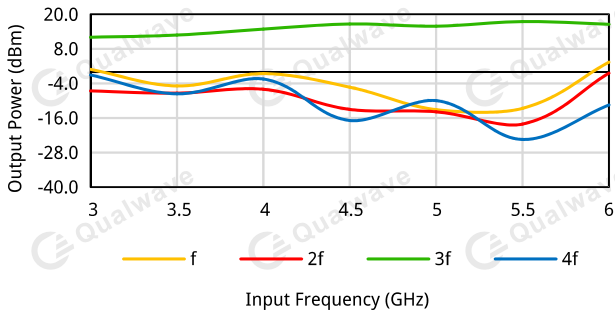
Output Power vs. Frequency @Pin=15dBm



Output Power vs. Frequency @Pin=12dBm



Output Power vs. Frequency @Pin=15dBm



Output Power vs. Frequency @Pin=18dBm

