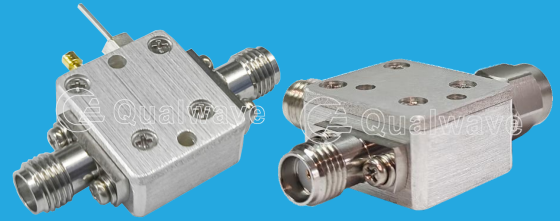


QBT-100-18000-S

0.1~18GHz

Features:
 * Broadband
 * Small Size

Applications:
 * Telecom
 * Satcom
 * Laboratory Test
 * Instrumentation



Electrical

Frequency:	0.1~18GHz
Insertion Loss:	1.8 typ.
VSWR:	1.6 typ.
Voltage:	+50V DC
Isolation:	30dB typ.
Current:	700mA max.
RF Input Power:	10W max.
Impedance:	50Ω

Mechanical

RF Connectors:	SMA Female, SMA Male
DC Connectors*1:	Solder Pin, SMA Female
Mounting:	2-Φ2.2mm through-hole

[1]Female connectors can be replaced with male connectors on request.

Environmental

Operating Temperature:	-40~+65°C
Non-operating Temperature:	-55~+85°C

How To Order

QBT-X-Y-S-Z

X: Start frequency in MHz

Y: Stop frequency in MHz

Z: 01: SMA(f) to SMA(f), DC in Pin (Outline A)

02: SMA(f) to SMA(f), DC in SMA female (Outline B)

03: SMA(m) to SMA(f), DC in Pin

04: SMA(m) to SMA(f), DC in SMA female

06: SMA(m) to SMA(m), DC in Pin

07: SMA(f) to SMA(m), DC in Pin

09: SMA(f) to SMA(m), DC in SMA female

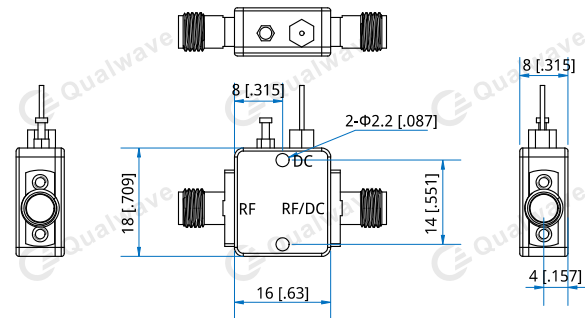
10: SMA(m) to SMA(m), DC in SMA female

Examples:

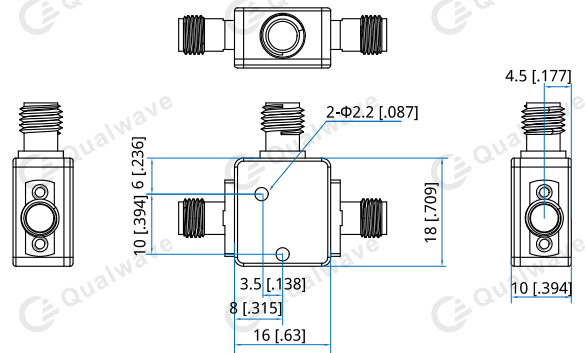
To order a bias tee, 0.1~18GHz, SMA female to SMA female, DC in Pin, specify QBT-100-18000-S-01.

Customization is available upon request.

Outline Drawings



Outline A



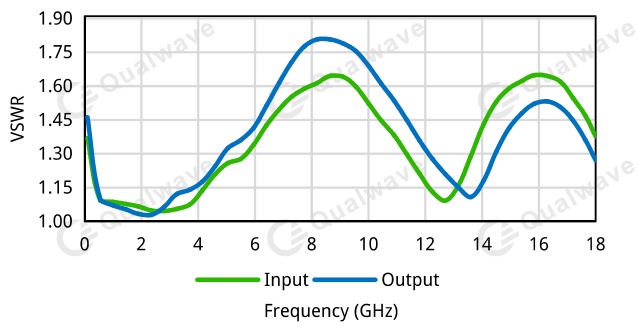
Outline B

Unit: mm [in]

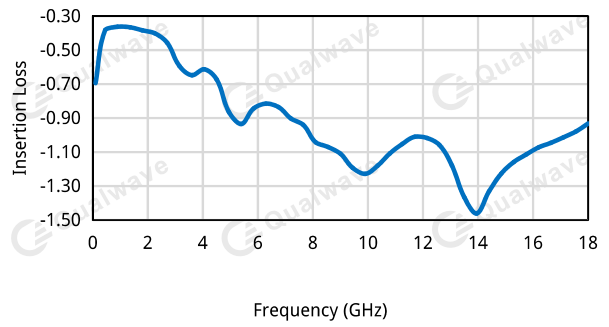
Tolerance: ±0.5mm [±0.02in]

Typical Performance Curves

VSWR vs. Frequency



Insertion Loss vs. Frequency



Isolation vs. Frequency

