

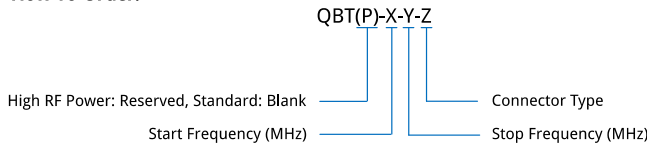
Bias Tees

Qualwave supplies bias tees with different connectors to meet the needs of customers.

The bias tee is mainly used to inject DC current or voltage into the RF circuit without affecting the RF signal passing through the main transmission path. Qualwave supplies different connectors bias tees in a range from 5MHz~40GHz.

Features: Broadband, Small Size; **Applications:** Telecom, Satcom, Laboratory Test, Instrumentation.

How To Order:



Examples: To order a bias tee, 5~700MHz, SMA, specify QBT-5-700-S.

Standard Bias Tees

The sizes in the following table do not include connectors.

Part Number	Frequency (GHz)	Insertion Loss (dB, Max.)	VSWR (max.)	Voltage (V)	Average Power (W)	Connectors				Size* (mm)
						RF Input	RF Output	DC Input	DC Output	
QBT-50K-18000	50K ~ 18	2	1.8	25	10	SMA (f)	SMA (f)	Pin	Pin	15*25*14
QBT-50K-40000	50K ~ 40	3	1.8	25	10	2.92mm (f)	2.92mm (f)	Pin	Pin	15*25*14
QBT-0.1-6000	100K ~ 6	1.5	1.5	0~50	1	SMA (m)	SMA (f)	Pin	Pin	15*20*13
QBT-10-2500	0.01 ~ 2.5	0.6	1.8	0~60	-	SMA (f)	SMA (f)	Pin	Pin	42*36*12
QBT-10-4200-S-01	0.01 ~ 4.2	1.25	1.25	72	5	SMA (m)	SMA (f)	Pin	Pin	30*30*15.5
QBT-10-4200-S-02	0.01 ~ 4.2	1.25	1.25	72	5	SMA (m)	SMA (f)	SMA (f)	SMA (f)	30*30*15.5
QBT-10-4200-N-01	0.01 ~ 4.2	1.25	1.25	72	5	N (m)	N (f)	Pin	Pin	30*32*20
QBT-10-4200-N-02	0.01 ~ 4.2	1.25	1.25	72	5	N (m)	N (f)	N (f)	N (f)	30*32*20
QBT-10-6000	0.01 ~ 6	1.25	1.5	100	5	-	-	-	-	-
QBT-10-12000	0.01 ~ 12	3	2	100	5	-	-	-	-	-
QBT-10-40000	0.01 ~ 40	2.2	2	25	10	2.92mm (f)	2.92mm (f)	Pin	Pin	16*12*10
QBT-100-6000-S	0.1 ~ 6	1.5	1.5	50	1	SMA (m)	SMA (f)	Pin	Pin	20*15*13
QBT-5000-20000	5 ~ 20	0.7	2	10	-	SMA (m)	SMA (f)	Pin	Pin	14.7*14.7*9.1
QBT-18000-40000	18 ~ 40	2	2	10	-	2.92mm (m)	2.92mm (f)	Pin	Pin	15*16*9
QBT-24900-25100	24.9 ~ 25.1	0.8	2	9~30	1	2.92mm (f)	2.92mm (f)	Pin	Pin	15*13*9

High RF Power Bias Tees

The sizes in the following table do not include connectors.

Part Number	Frequency (GHz)	Insertion Loss (dB, Max.)	VSWR (max.)	Voltage (V)	Average Power (W)	Connectors				Size* (mm)
						RF Input	RF Output	DC Input	DC Output	
QBTP-5-700-S	0.005 ~ 0.7	0.5	1.8	0~48	150	SMA (m)	SMA (f)	Pin	Pin	40*20*13
QBTP-200-12000-S	0.2 ~ 12	0.6	1.8	0~36	10	SMA (f)	SMA (f)	Pin	Pin	30*20*12
QBTP-9000-11000-S	9 ~ 11	0.5	2	28	50	SMA (m)	SMA (f)	Pin	Pin	14.7*14.7*9.1
QBTP-18000-40000-K	18 ~ 40	1.2	2	50	30	2.92mm (m)	2.92mm (f)	Pin	Pin	14.7*14.7*9.1