BIAS-TEE

Wideband, High DC Current 50 Ω

100 kHz to 12 GHz


ZX85-12G
Case GC957


ZFBT
Case K18


ZFBT-FT
Case Y460

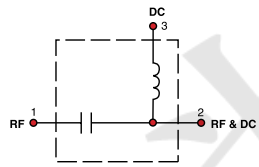

ZNBT
Case K558

MODEL PREFIX	FREQUENCY (MHz) f_L-f_U	INSERTION LOSS (dB) L Typ.	L Max.	M Typ.	M Max.	U Typ.	U Max.	ISOLATION, (dB) (RF port to DC port) (RF & DC port to DC port) L Typ.	L Min.	M Typ.	M Min.	U Typ.	U Min.	VSWR (:1) L Typ.	M Typ.	U Typ.	RF POWER OPERATING Max. (dBm)	DC CURRENT OPERATING Max. (mA)
0.1 to 12000 MHz																		
ZFBT-352-FT	300-3500	—	—	0.5	0.9	0.6	1.1	—	—	20	15	25	19	1.12	1.10	1.4	30	400
ZFBT-4R2GW	0.1-4200	0.15	0.8	0.6	1.2	0.6	1.6	25	15	40	20	50	20	1.06	1.13	1.13	20	200
ZFBT-4R2GW-FT	0.1-4200	0.15	0.8	0.6	1.2	0.6	1.6	—	—	—	—	—	—	1.06	1.13	1.13	20	200
ZFBT-4R2G	10-4200	0.15	0.6	0.6	1.2	0.6	1.6	32	20	40	20	50	20	1.06	1.13	1.13	20	200
ZFBT-4R2G-FT	10-4200	0.15	0.6	0.6	1.2	0.6	1.6	—	—	—	—	—	—	1.06	1.13	1.13	20	200
ZFBT-6GW	0.1-6000	0.15	0.8	0.6	1.4	1.0	2.2	25	15	40	20	30	17	1.06	1.13	1.13	20	200
ZFBT-6GW-FT	0.1-6000	0.15	0.8	0.6	1.4	1.0	2.2	—	—	—	—	—	—	1.06	1.13	1.13	20	200
ZNBT-60-1W	2.5-6000	0.2	0.9	0.6	2.0	1.6	2.2	75	45	45	25	35	20	1.1	1.1	1.35	20	200
ZFBT-6G	10-6000	0.15	0.6	0.6	1.4	1.0	2.2	32	20	40	20	30	17	1.06	1.13	1.13	20	200
ZFBT-6G-FT	10-6000	0.15	0.6	0.6	1.4	1.0	2.2	—	—	—	—	—	—	1.06	1.13	1.13	20	200
ZX85-12G	0.2-12000	0.10	0.5	0.6	1.5	1.0	2.5	—	—	—	—	—	—	1.10	1.20	1.20	20	200

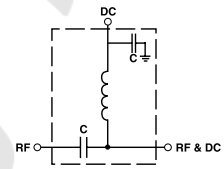
L = low range (f_L to $10f_L$) M = mid range ($10f_L$ to $f_U/2$) U = upper range ($f_U/2$ to f_U)

ELECTRICAL SCHEMATICS

For ZFBT models



For ZX85-12G, ZNBT-60-1W models



BIAS-TEE/DIPLEXER *Satellite Power Inserter 50 Ω*

10 to 2150 MHz


ZABT
Case CC51

MODEL PREFIX	FREQUENCY (MHz)	INSERTION LOSS (dB) Port 3 to Port 2 10 MHz Typ.	Port 3 to Port 2 10 MHz Max.	Port 1 to Port 2 950-2150 MHz Typ.	Port 1 to Port 2 950-2150 MHz Max.	ISOLATION, (dB) Port 3 to Port 1 10 MHz Typ.	Port 3 to Port 1 10 MHz Min.	Port 1 to Port 3 950-2150 MHz Typ.	Port 1 to Port 3 950-2150 MHz Min.	Port 1 to Port S, Port 2 to Port S, Port 3 to Port S 10 MHz Typ.	10 MHz Min.	950-2150 MHz Typ.	950-2150 MHz Min.	VSWR (:1) Port 2 & Port 3 10 MHz Typ.	10 MHz Max.	Port 1 & Port 2 950-2150 MHz Typ.	950-2150 MHz Max.
ZABT-2R15G	10-2150	0.5	0.8	0.4	1.5	90	70	65	35	40	27	50	30	1.4	1.8	1.2	1.6

FUNCTIONAL BLOCK DIAGRAM FOR ZABT