

# Surface Mount

## Bias-Tee

**TCBT-14+**

### Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (RF port to RF&DC port) (dB)					VSWR (:1)					ISOLATION (RF port to DC port) (RF&DC port to DC port) (dB)	
	+25°C		0mA			+25°C		0mA			+25°C & 0mA	
	0mA	200mA	-40°C	+25°C	+85°C	0mA	200mA	-40°C	+25°C	+85°C	RF-DC	RF&DC-DC
10.0	0.11	0.11	0.06	0.07	0.07	1.21	1.21	1.23	1.21	1.20	35.29	34.85
100.0	0.04	0.04	0.06	0.07	0.07	1.02	1.02	1.02	1.02	1.03	67.27	76.84
500.0	0.07	0.07	0.07	0.11	0.13	1.03	1.03	1.03	1.03	1.03	58.28	56.42
1000.0	0.12	0.12	0.10	0.16	0.19	1.05	1.05	1.06	1.05	1.04	51.44	48.45
1450.0	0.13	0.13	0.13	0.20	0.24	1.04	1.04	1.05	1.04	1.04	44.41	42.96
2050.0	0.16	0.16	0.15	0.25	0.30	1.02	1.02	1.03	1.02	1.02	39.31	37.44
2500.0	0.18	0.18	0.19	0.30	0.36	1.03	1.03	1.03	1.03	1.03	35.19	34.15
3100.0	0.21	0.21	0.22	0.33	0.40	1.03	1.03	1.04	1.03	1.02	30.85	29.35
4000.0	0.30	0.30	0.30	0.46	0.54	1.16	1.16	1.15	1.16	1.15	27.39	25.43
5050.0	0.47	0.48	0.39	0.58	0.66	1.08	1.08	1.06	1.08	1.09	25.68	23.02
6100.0	0.66	0.66	0.54	0.70	0.77	1.20	1.20	1.21	1.20	1.18	22.61	19.71
7000.0	0.86	0.85	0.67	0.88	1.05	1.25	1.25	1.24	1.25	1.25	22.68	18.80
8050.0	0.78	0.77	0.73	0.95	1.12	1.11	1.11	1.15	1.11	1.09	20.55	18.49
9100.0	0.70	0.69	0.79	0.88	1.11	1.22	1.21	1.25	1.22	1.18	21.37	18.82
10000.0	0.99	0.97	0.79	0.99	1.05	1.09	1.09	1.07	1.09	1.23	20.70	17.68



ISO 9001 ISO 14001 AS 9100 CERTIFIED

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IF/RF MICROWAVE COMPONENTS



REV. X2

TCBT-14+

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