

Wideband	20 to 2500 MHz
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Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	25dBm max.
Voltage at DC port	25V max.
Input Current	100mA

RF	4
RF&DC	3
DC	1
ISOLATE (see PCB Layout)	2

A	B	C	D	E	F	G
.150	.150	.150	.100	.030	.025	.028
3.81	3.81	3.81	2.54	0.76	0.64	0.71
H	J	K	wt			
.050	.160	.030	grams			
1.27	4.06	0.76	0.10			

- wideband, 20-2500 MHz
- low insertion loss, 0.4 dB typ.
- miniature surface mount 0.15"x0.15"
- protected by US Patent 7,012,486

- biasing amplifiers
- biasing of laser diodes
- biasing of active antennas

MODEL NO.	FREQ. RANGE (MHz)	INSERTION LOSS (dB)						ISOLATION (dB) (RF port to DC port) (RF&DC port to DC port)						VSWR (:1)					
		L		M		U		L		M		U		L		M		U	
		Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.
TCBT-2R5G(+)	20-2500	0.2	0.8	0.35	0.8	0.7	1.2	65	40	44	25	25	20	1.05	1.5	1.05	1.2	1.1	1.25

L= 20-200 MHz M=200-1250 MHz U=1250-2500 MHz
External C1(0.01μF) is required. See electrical schematic and PCB layout.

