



Mini-Circuits

DESIGNER'S KIT K1-SBTC+

2WAY-0° Power Splitter/Combiners

50 Ω 5 to 2500 MHz

FEATURES

- Wideband, 50 Ω
 - Excellent amplitude unbalance
 - Low insertion loss
 - Low cost
 - Leadless, open style package
 - Micro-miniature size .15"x.15"x.15"
 - Temperature stable LTCC base
- Low Temperature Co-fired Ceramic

MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION



K1-SBTC+ ELECTRICAL SPECIFICATIONS

(3 models, 5 of each, 15 total)

Model	Frequency Range (MHz) f _L -f _U	Isolation (dB)						Insertion Loss (dB) Above 3.0 dB						Phase Unbalance (Degrees)			Amplitude Unbalance (dB)			Input Power (W) (as a splitter) Max.
		L*		M		U*		L*		M		U*		L*	M	U*	L*	M	U*	
		Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	
SBTC-2-10+	5-1000	29	20	25	18	21	16	0.3	0.7	0.3	0.8	0.5	1.4	3	3	5	0.6	0.5	0.5	0.5
SBTC-2-20+	200-2000	—	—	20	14	—	—	—	—	0.8	2.2	—	—	—	10	—	—	0.8	—	0.5
SBTC-2-25+	1000-2500	—	—	20	14	—	—	—	—	1.4	2.5	—	—	—	14	—	—	1.2	—	1.0

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]

*When only specification for M range given, specification applies to entire frequency range.

Protected under U.S. Patent 6,963,255

www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

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