



# DESIGNER'S KIT K1-SBTC+

# 2WAY-0° Power Splitter/Combiners

50Ω 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



## 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.		
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

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