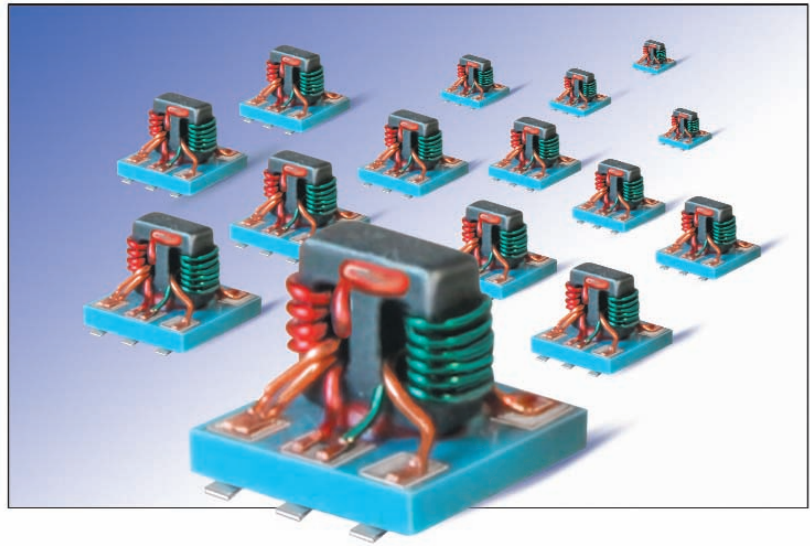


# 2WAY-0° POWER SPLITTER/COMBINERS

Designer's Kit **K2-SBTC+**

MINI-CIRCUITS DESIGNER'S KITS  
**SPEED UP**  
THE SOLUTION!



**5 to 2500MHz**

### SBTC-L+ Features

- Wideband, 50Ω
- Excellent amplitude unbalance
- Low insertion loss
- Low cost
- Leaded, open style package
- Micro-miniature size .166" x .150" x .155"
- Temperature stable LTCC base
- Low Temperature Co-fired Ceramic



All models are RoHS compliant

**Kit K2-SBTC+** Electrical specifications of each model (3 models, 5 of each, 15 total)

Model	Freq. Range (MHz) $f_L$ - $f_U$	Isolation (dB)						Insertion Loss (dB) Above 3.0dB						Phase Unbalance (Degrees)			Amplitude Unbalance (dB)			Power Input (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-2-10L+	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-2-20L+	200-2000	—	—	20	14	—	—	—	—	0.8	2.2	—	—	—	10	—	—	0.8	—	0.5
SBTC-2-25L+	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  $f_U$ ]

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

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

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**RF/IF MICROWAVE COMPONENTS**

REV. OR  
M104903  
K2-SBTC+