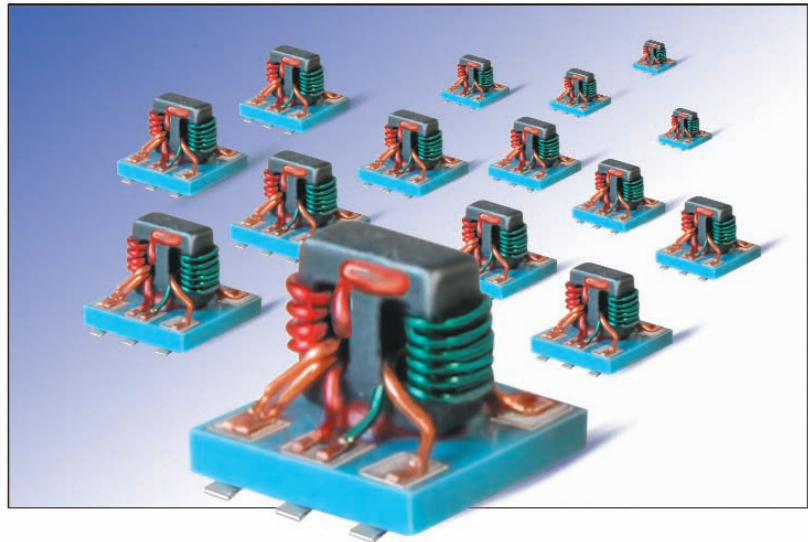


# 2WAY-0° POWER SPLITTER/COMBINERS

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

**\$51<sup>95</sup>**  
only *ea. kit (3 models, 5 of each, 15 total)*

**Kit K2-SBTC+** Electrical specifications of each model

| Model       | Freq. Range (MHz)<br>$f_L$ - $f_U$ | Isolation (dB) |      |      |      |      |      | Insertion Loss (dB)<br>Above 3.0dB |      |      |      |      |      | Phase Unbalance (Degrees) |      |      | Amplitude Unbalance (dB) |      |      | Power Input (W)<br>(as a splitter)<br>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-2-10L+ | 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.

**Mini-Circuits®**  
ISO 9001 ISO 14001 CERTIFIED

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**RF/IF MICROWAVE COMPONENTS**

REV. OR  
M104903  
K2-SBTC+