



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]

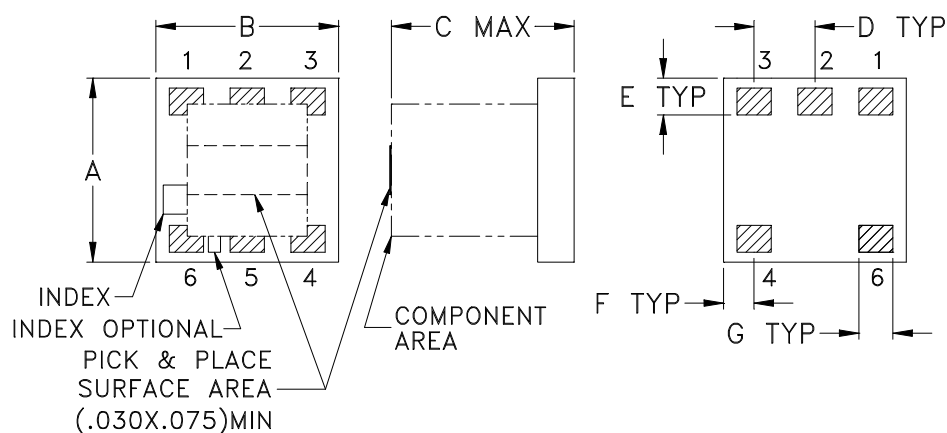
*When only specification for M range given, specification applies to entire frequency range.

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

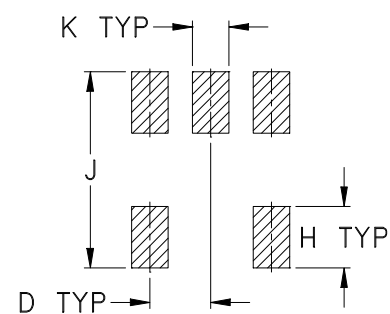


Outline Dimensions

AT790



PCB Land Pattern



Suggested Layout,
Tolerance to be within ± 0.002

CASE #	A	B	C	D	E	F	G	H	J	K	L	WT. GRAMS
AT790	.150 (3.81)	.150 (3.81)	.150 (3.81)	.050 (1.27)	.030 (0.76)	.025 (0.64)	.028 (0.71)	.050 (1.27)	.160 (4.06)	.030 (0.76)	-- --	.10

Dimensions are in inches (mm). Tolerances: 2 Pl. $\pm .01$; 3 Pl. $\pm .005$

Notes:

1. Open style, Ceramic base.
2. Termination finish: Silver palladium or gold over nickel based on stock availability.



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site

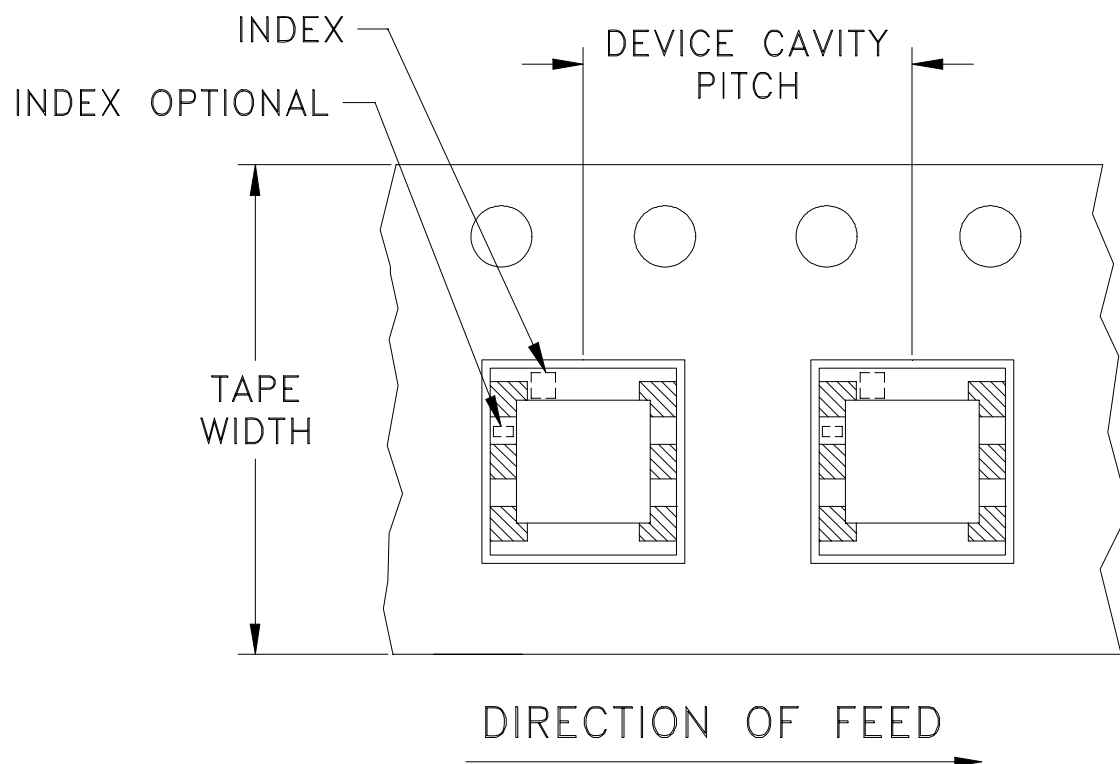


The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS

Tape & Reel Packaging TR-F15

DEVICE ORIENTATION IN T&R



Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel
12	8	7	20
			50
			100
			200
		13	500
			1000
			2000

Note: Please consult individual model data sheet to determine device per reel availability.

Mini-Circuits carrier tape materials provide protection from ESD (Electro-Static Discharge) during handling and transportation. Tapes are static dissipative and comply with industry standards EIA-481/EIA-541.

Go to: www.minicircuits.com/pages/pdfs/tape.pdf



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