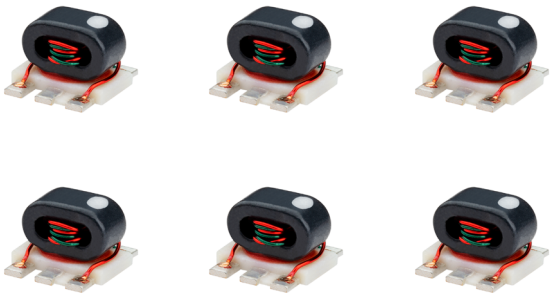
DESIGNER'S KIT K1-TCM+

Transformers

50Ω 0.5 to 2500 MHz



FEATURES

- Very wide bandwidth
- Good return loss
- Plastic base with plated leads
- Miniature size 0.16x0.15 in.
- Aqueous washable
- Low cost

MINI-CIRCUITS DESIGNER'S KITS SPEED UP THE SOLUTION

RoHS COMPLIANT

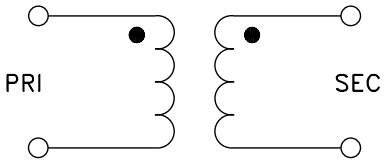
K1-TCM+ ELECTRICAL SPECIFICATIONS (15 models, 10 of each, 150 total)

Model	Ω Ratio	Frequency (MHz)	Insertion Loss*			Configuration
			3dB MHz	2dB MHz	1dB MHz	
TCM1-1+	1	1.5-500	1.5-500	2.5-400	5-350	C
TCML1-11+	1	600-1100	—	600-1100	700-1000	G
TCML1-19+	1	800-1900	800-1900	—	800-1400	G
TCM2-1T+	2	3-300	—	—	3-300	A
TCM3-1T+	3	2-500	—	2-500	5-300	A
TCM4-1W+	4	3-800	3-800	5-400	10-100	A
TCM4-14+	4	200-1400	200-1400	300-1300	800-1000	A
TCM4-6T+	4	1.5-600	1.5-600	2-400	3-350	A
TTCM4-4+	4	0.50-400	0.50-400	1.3-160	5-100	B
TCM4-19+	4	10-1900	10-1900	20-1000	30-700	H
TCM4-25+	4	500-2500	500-2500	700-1500	750-1200	H
TCM8-1+	8	2-500	2-500	5-400	10-100	A
TCM9-1+	9	2-280	2-280	3-150	5-100	A

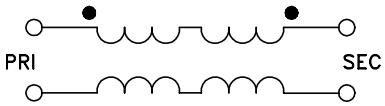
* Insertion loss is referenced to mid-band loss

CONFIGURATIONS

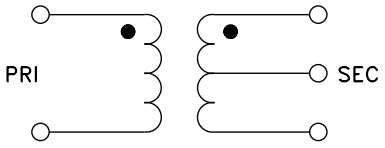
C



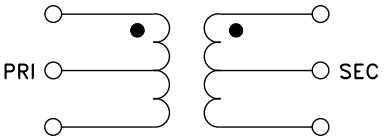
G



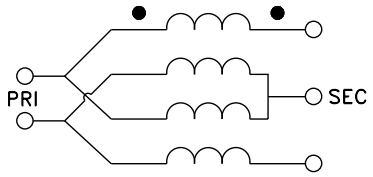
A



B



H

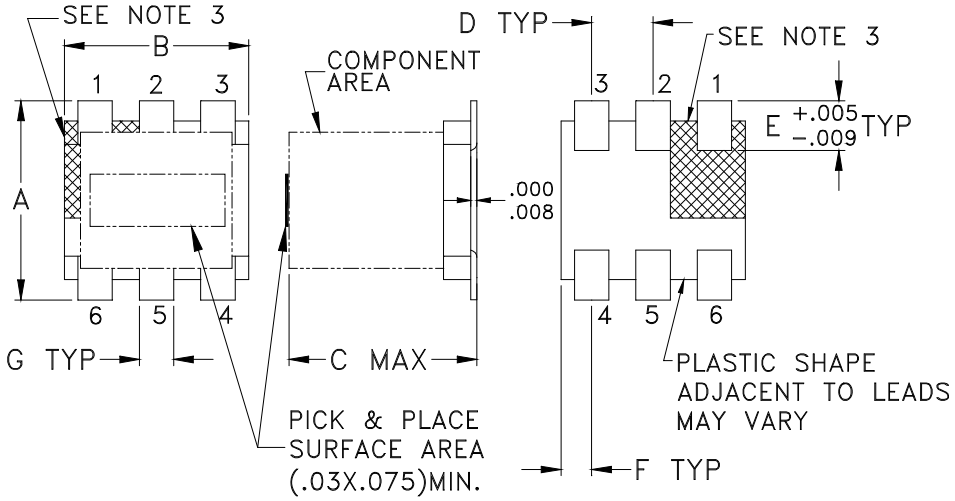


REV. A
ECO-009388
M108657
K1-TCM+
210823

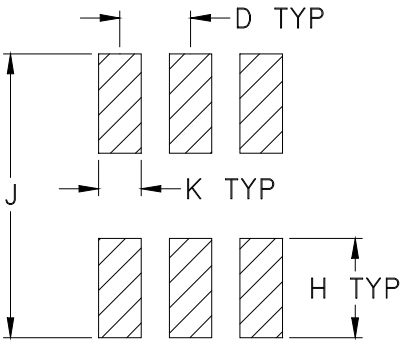
Case Style DB

DB714

Outline Dimensions



PCB Land Pattern



Suggested Layout,
Tolerance to be within ±.002

CASE #	A	B	C	D	E	F	G	H	J	K	WT. GRAM
DB714	.160 (4.06)	.150 (3.81)	.160 (4.06)	.050 (1.27)	.040 (1.02)	.025 (0.64)	.028 (0.71)	.065 (1.65)	.190 (4.83)	.030 (0.76)	.15

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

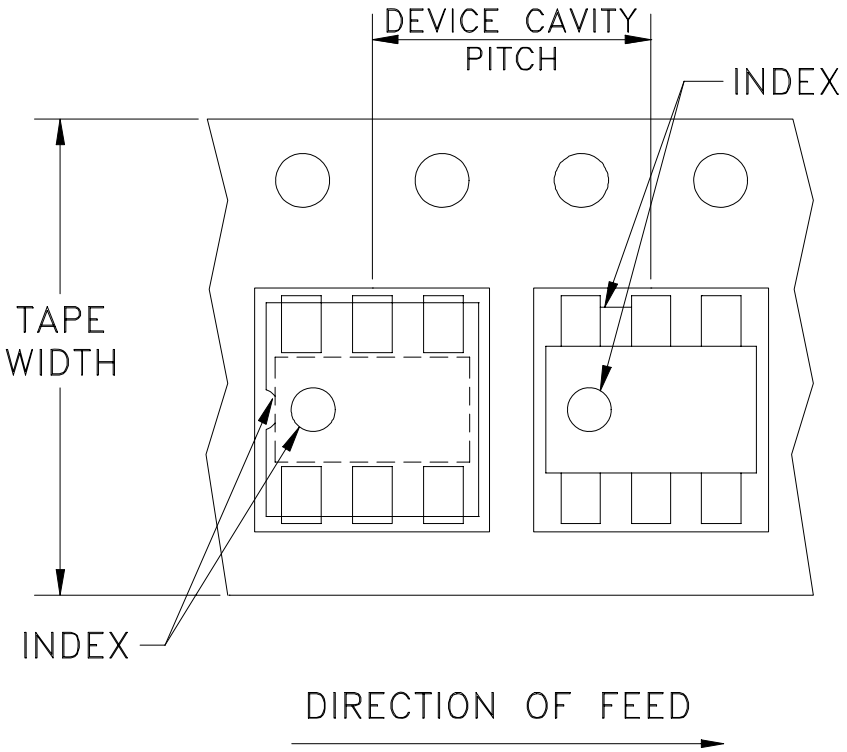
Notes:

1. Case material: Plastic.
2. Termination finish:
   For RoHS Case Styles: Tin plate over Nickel plate. All models, (+) suffix.
   For RoHS-5 Case Styles: Tin-Lead plate. All models, no (+) suffix.
3. Lead #1 identifier shall be located in the cross-hatched area shown.
   Identifier may be either a molded or marked feature.

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Tape & Reel Packaging TR-F47

DEVICE ORIENTATION IN T&R



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

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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