

RF Transformer

TCM-ED8064/1

Impedance Ratio : 4

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : DB714

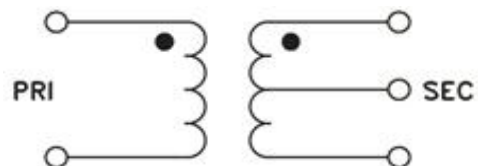
ELECTRICAL SPECIFICATIONS 75Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		0.5		350 MHz
Insertion Loss *	3 dB Bandwidth		0.5 - 350	MHz
	2 dB Bandwidth		0.5 - 300	MHz
	1 dB Bandwidth		0.5 - 175	MHz
Amplitude Unbalance	over 3dB Bandwidth		0.5	dB
	over 1dB Bandwidth		0.1	dB
Phase Unbalance	over 3dB Bandwidth		5.0	deg.
	over 1dB Bandwidth		1.00	deg.

Note:

* Insertion Loss is referenced to mid-band loss, 0.24dB typ.

MAXIMUM RATINGS	
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25 W
DC Current	30 mA

Configuration : A

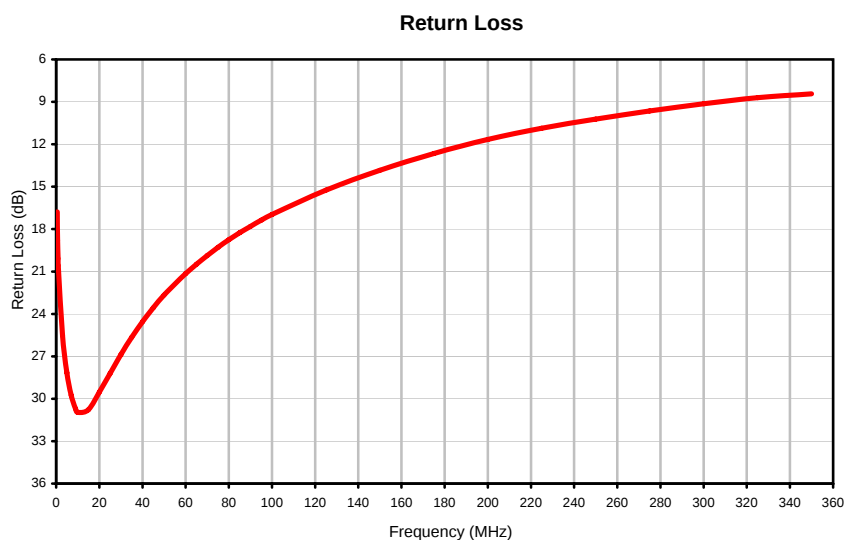


PIN CONNECTIONS	
PRIMARY DOT	1
PRIMARY	3
SECONDARY DOT	6
SECONDARY	4
SECONDARY CT	5
ISOLATE	2

Typical Performance Data

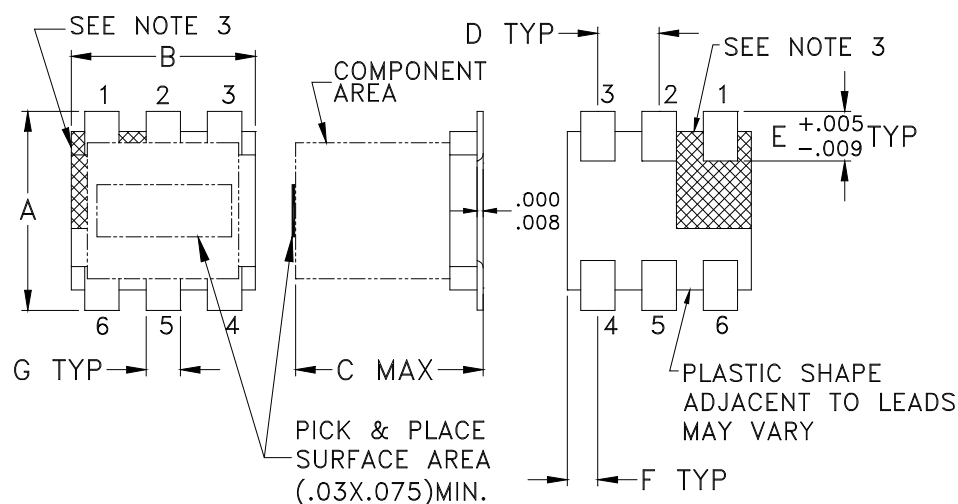
FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)
0.50	0.55	16.78
0.70	0.52	18.79
0.90	0.50	20.09
1.00	0.49	20.58
3.00	0.34	25.54
5.00	0.28	28.16
7.00	0.26	29.75
9.00	0.25	30.70
10.00	0.25	30.96
15.00	0.24	30.77
20.00	0.25	29.53
25.00	0.26	28.21
30.00	0.26	26.87
35.00	0.27	25.66
40.00	0.29	24.55
45.00	0.29	23.56
50.00	0.29	22.67
55.00	0.30	21.89
60.00	0.31	21.15
65.00	0.32	20.48
70.00	0.33	19.87
75.00	0.35	19.29
80.00	0.36	18.75
85.00	0.38	18.26
90.00	0.39	17.82
95.00	0.40	17.37
100.00	0.42	16.97
125.00	0.46	15.25
150.00	0.55	13.84
175.00	0.63	12.65
200.00	0.77	11.66
225.00	0.84	10.87
250.00	0.91	10.22
275.00	1.05	9.64
300.00	1.21	9.13
325.00	1.35	8.71
350.00	1.40	8.43

Typical Performance Curves

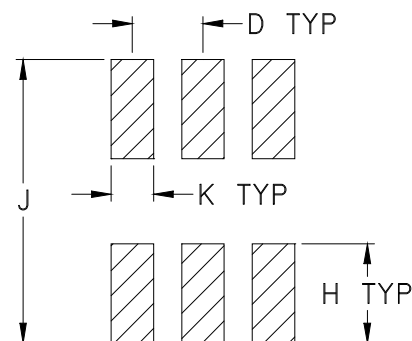


Outline Dimensions

DB714



PCB Land Pattern



Suggested Layout,
Tolerance to be within $\pm .002$

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. $\pm .01$; 3Pl. $\pm .005$

Notes:

- Case material: Plastic.
- 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.
- Lead #1 identifier shall be located in the cross-hatched area shown.
Identifier may be either a molded or marked feature.



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

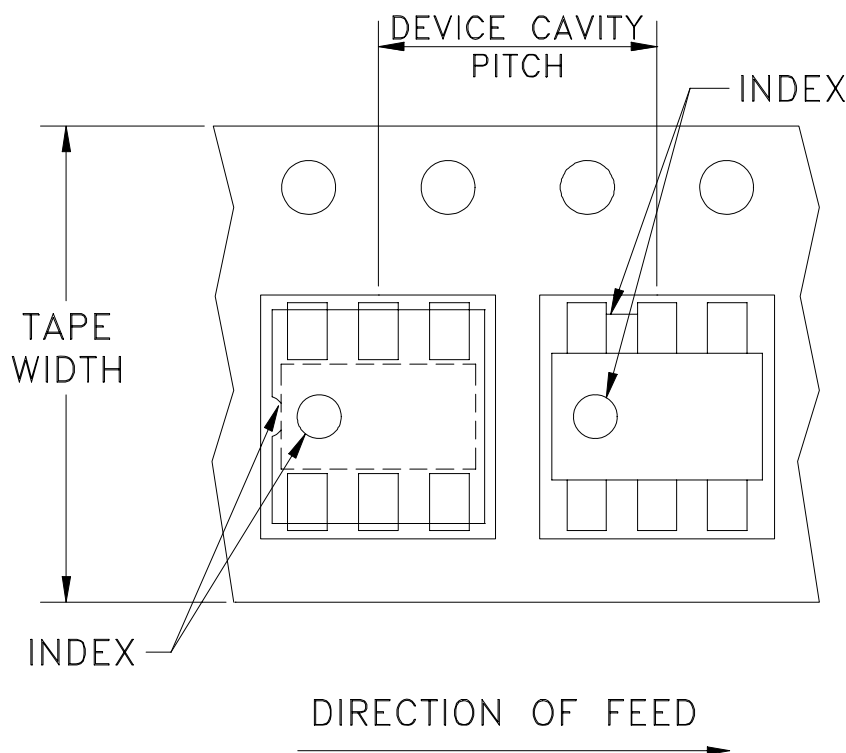


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RF/IF MICROWAVE COMPONENTS

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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