

RF Transformer

T10-ED9724

Impedance Ratio : 10

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 : KK81

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter	Min.	Typ.	Max.	Units
Frequency	5		60	MHz
Insertion Loss *				
3 dB Bandwidth		5 - 60		MHz
2 dB Bandwidth		5 - 60		MHz
1 dB Bandwidth		22037.00		MHz

Note:

* Insertion Loss is referenced to mid-band loss, 0.51dB 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

PIN CONNECTIONS	
PRIMARY DOT	4
PRIMARY	6
SECONDARY DOT	3
SECONDARY	1
NOT USED	2,5

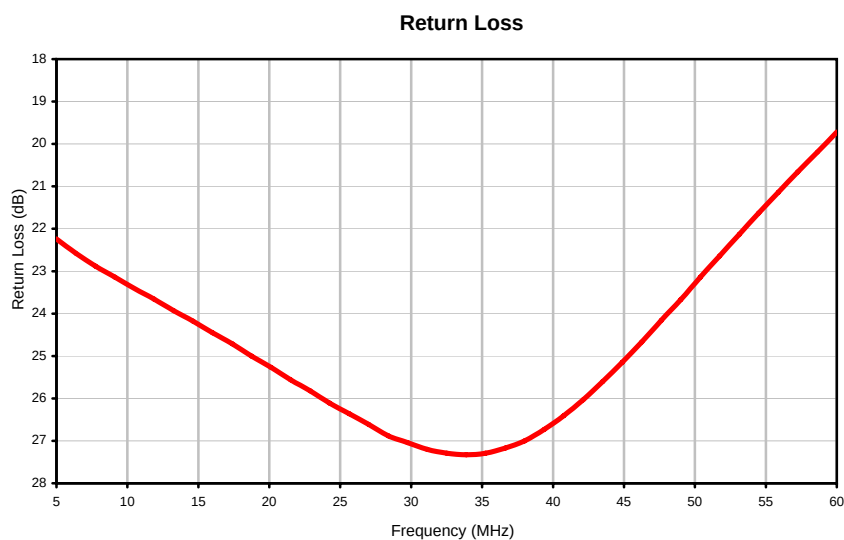
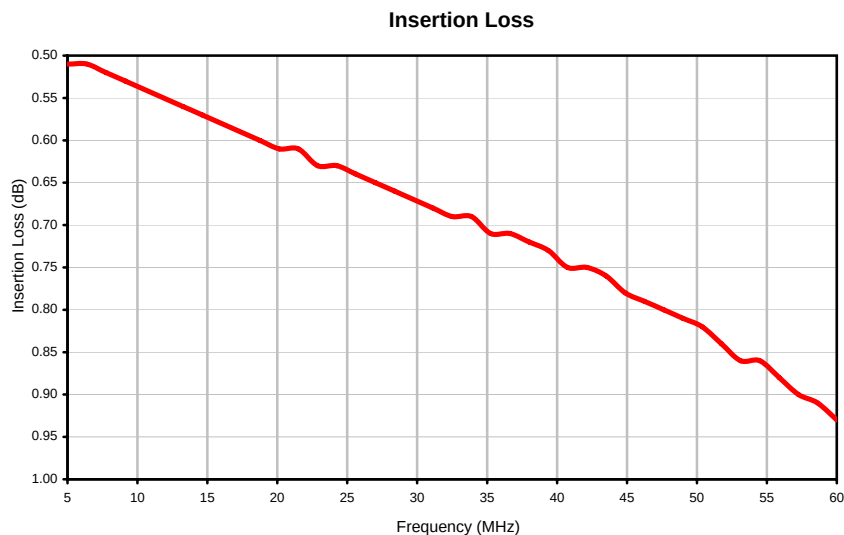
Configuration : C



Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)
5.00	0.51	22.24
6.38	0.51	22.58
7.75	0.52	22.88
9.13	0.53	23.14
10.50	0.54	23.41
11.88	0.55	23.66
13.25	0.56	23.93
14.63	0.57	24.18
16.00	0.58	24.45
17.38	0.59	24.71
18.75	0.60	25.00
20.13	0.61	25.27
21.50	0.61	25.56
22.88	0.63	25.82
24.25	0.63	26.11
25.63	0.64	26.36
27.00	0.65	26.61
28.38	0.66	26.88
29.75	0.67	27.04
31.13	0.68	27.20
32.50	0.69	27.29
33.88	0.69	27.33
35.25	0.71	27.29
36.63	0.71	27.17
38.00	0.72	27.00
39.38	0.73	26.73
40.75	0.75	26.41
42.13	0.75	26.03
43.50	0.76	25.60
44.88	0.78	25.15
46.25	0.79	24.67
47.63	0.80	24.16
49.00	0.81	23.67
50.38	0.82	23.14
51.75	0.84	22.64
53.13	0.86	22.13
54.50	0.86	21.63
55.88	0.88	21.14
57.25	0.90	20.66
58.63	0.91	20.19
60.00	0.93	19.72

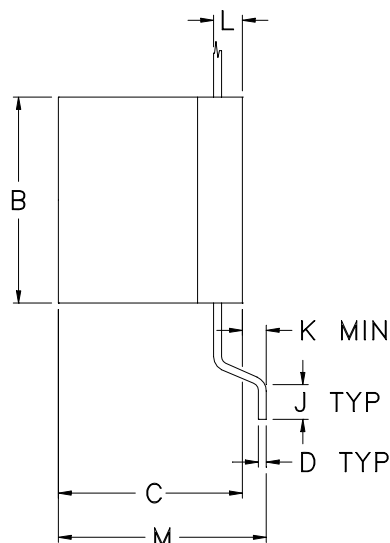
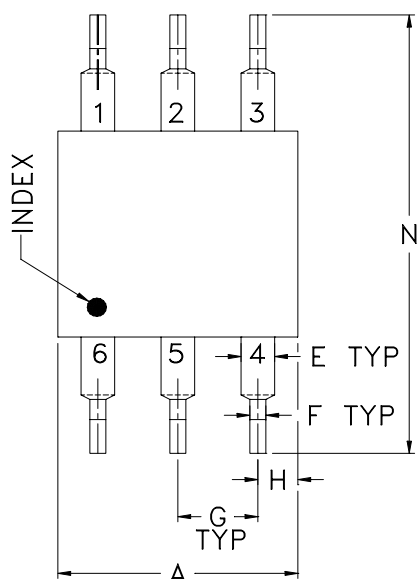
Typical Performance Curves



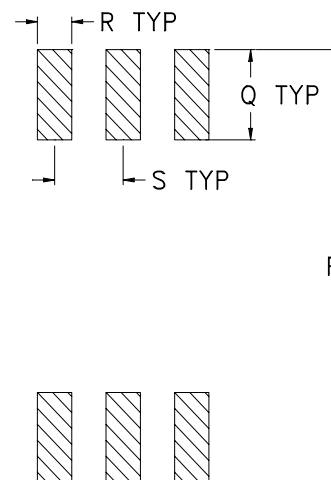
Outline Dimensions

KK81
KK265

NOTE: PIN NUMBERS DO NOT
APPEAR ON UNIT,
FOR REFERENCE ONLY
INDEX MARK INDICATES PIN 6.



PCB Land Pattern



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

CASE #	A	B	C	D	E	F	G	H	J	K	L	M	N	P
KK81	.30 (7.62)	.27 (6.86)	.23 (5.84)	.010 (0.25)	0.42 (1.07)	.020 (0.51)	.100 (2.54)	.05 (1.27)	.05 (1.27)	.020 (0.51)	.036 (0.91)	.26 (6.60)	.575 (14.61)	.600 (15.24)
KK265	.30 (7.62)	.27 (6.86)	.22 (5.84)	.010 (0.25)	.020 (0.50)	.020 (0.51)	.100 (2.54)	.05 (1.27)	.05 (1.27)	0.1 (2.54)	.032 (0.81)	.23 (5.84)	.450 (10.62)	.475 (12.07)

CASE #	Q	R	S	WT. GRAM
KK81	.125 (3.18)	.050 (1.27)	.100 (2.54)	.50
KK265	.125 (3.18)	.050 (1.27)	.100 (2.54)	.65

Dimensions are in inches (mm). Tolerances: 2 Pl. $\pm .03$; 3 Pl. $\pm .015$

Notes:

- Case material: Plastic.
- Termination finish:
For RoHS Case Styles: Tin plate over Nickel plate.
For RoHS-5 Case Styles: Tin-Lead plate.
- Special Tolerances: Termination width $\pm .005$ inch, termination thickness $\pm .003$ inch.



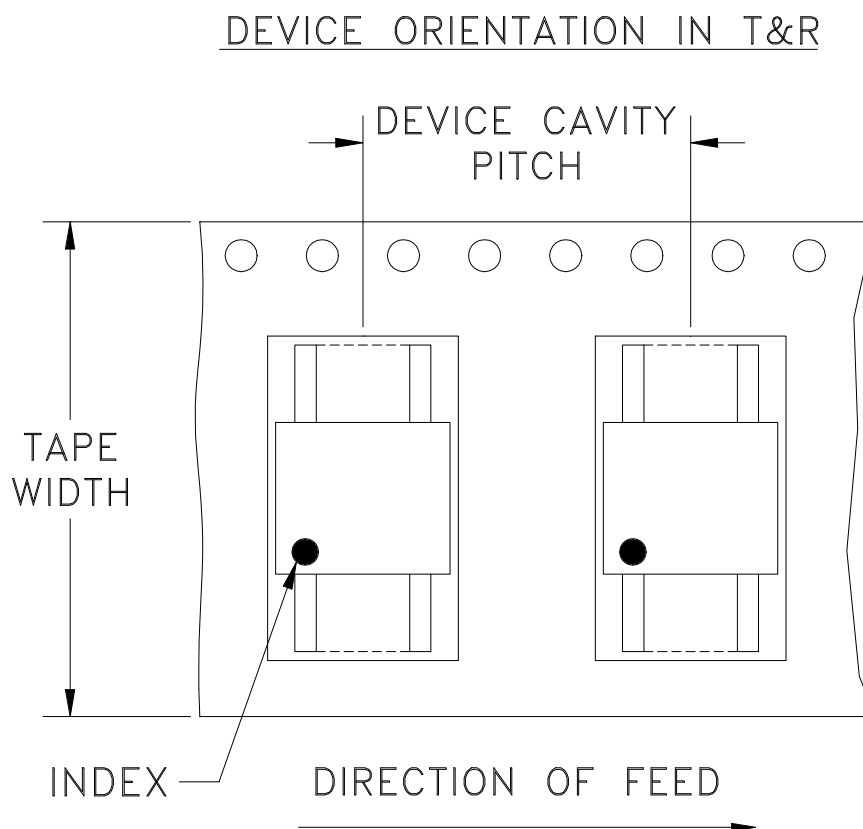
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