

Surface Mount

RF Transformer

T1.18-3-KK81+ T1.18-3-KK81

50Ω 0.01 to 250 MHz



CASE STYLE: KK81

Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	250mW
DC Current	30mA

Permanent damage may occur if any of these limits are exceeded.

Pin Connections

PRIMARY DOT	4
PRIMARY	6
SECONDARY DOT	3
SECONDARY	1
SECONDARY CT	—
NOT USED	2,5

Features

- wideband, 0.01 to 250 MHz
- excellent return loss
- also available with plug-in (X65) and flat-pack (W38) leads

Applications

- HF/VHF
- impedance matching

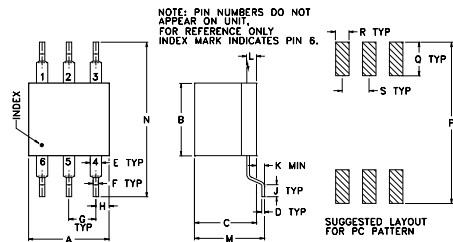
+RoHS Compliant
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1.18	0.01-250	0.01-250	0.02-200	0.03-50

* Insertion Loss is referenced to mid-band loss, 0.15 dB typ.

Outline Drawing



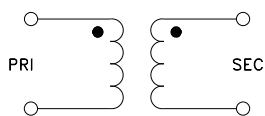
Outline Dimensions (inch)

A	B	C	D	E	F	G	H	J
.30	.27	.23	.010	.042	.020	.100	.05	.05
7.62	6.86	5.84	0.25	1.07	0.51	2.54	1.27	1.27
K	L	M	N	P	Q	R	S	wt
.020	.036	.26	.575	.600	.125	.050	.100	grams
0.51	0.91	6.60	14.61	15.24	3.18	1.27	2.54	0.50

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.01	1.28	9.92
0.04	0.30	19.95
0.10	0.20	26.49
0.13	0.25	21.52
0.40	0.16	31.57
5.04	0.14	28.04
74.29	0.86	11.69
128.74	1.30	6.88
169.30	1.42	4.22
250.00	1.62	1.40

Config. C



Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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