

# Surface Mount RF Transformer

50Ω 0.3 to 300 MHz

## T5-1T-KK81+ T5-1T-KK81

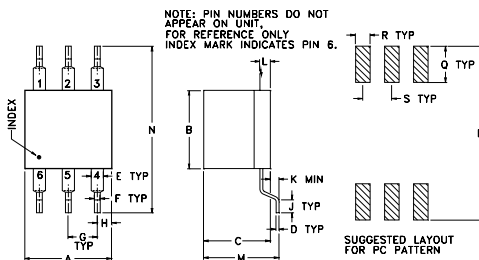
### Maximum Ratings

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

### Pin Connections

PRIMARY DOT	4
PRIMARY	6
SECONDARY DOT	3
SECONDARY	1
SECONDARY CT	2
NOTUSED	5

### Outline Drawing



### Outline Dimensions (inch/mm)

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

### Features

- wideband, 0.3 to 300 MHz
- good return loss
- also available with flat-pack (W38), plug-in (X65) leads

### Applications

- push-pull amplifiers
- impedance matching



CASE STYLE: KK81  
PRICE: \$4.95 ea. QTY (1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

See our web site for RoHS Compliance methodologies and qualifications.

### Transformer Electrical Specifications

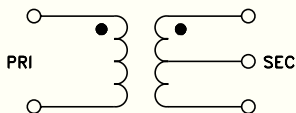
MODEL NO.	Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
			3 dB MHz	2 dB MHz	1 dB MHz
T5-1T-KK81(+)	5	0.3-300	0.3-300	0.6-200	5-100

\* Insertion Loss is referenced to mid-band loss, 0.7 dB typ.

### Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.30	1.91	6.84
0.70	1.21	12.33
3.00	0.79	16.14
28.00	0.76	16.70
73.00	0.87	17.90
120.00	0.96	18.95
170.00	1.05	19.50
220.00	1.15	18.75
270.00	1.28	16.62
300.00	1.33	15.08

### Config. A



T5-1T-KK81  
INSERTION LOSS

