

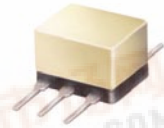
Surface Mount

# RF Transformer

50Ω

0.15 to 200 MHz

T9-1+  
T9-1



## 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  | —   |
| NOT USED      | 2,5 |

## Features

- wideband, 0.15 to 200 MHz
- good return loss
- also available with plug-in (X65) surface mount gull-wing (KK81) leads

## Applications

- impedance matching
- VHF
- receivers/transmitters

CASE STYLE: W38

PRICE: \$3.95 ea. QTY (1-9)

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

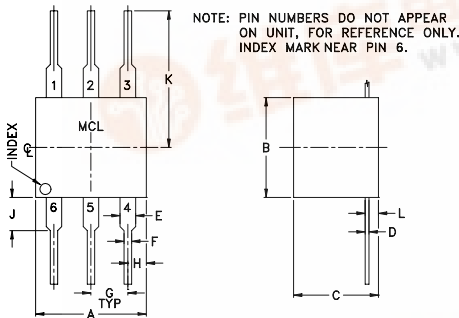
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

## Transformer Electrical Specifications

| Ω<br>RATIO | FREQUENCY<br>(MHz) | INSERTION LOSS* |             |             |
|------------|--------------------|-----------------|-------------|-------------|
|            |                    | 3 dB<br>MHz     | 2 dB<br>MHz | 1 dB<br>MHz |
| 9          | 0.15-200           | 0.15-200        | 0.3-150     | 2-40        |

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

## Outline Drawing



## Outline Dimensions (inch)

| A    | B    | C    | D    | E    | F     |
|------|------|------|------|------|-------|
| .30  | .27  | .23  | .010 | .042 | .020  |
| 7.62 | 6.86 | 5.84 | 0.25 | 1.07 | 0.51  |
| G    | H    | J    | K    | L    | wt    |
| .100 | .05  | .09  | .31  | .036 | grams |
| 2.54 | 1.27 | 2.29 | 7.87 | 0.91 | 0.50  |

## Typical Performance Data

| FREQUENCY<br>(MHz) | INSERTION<br>LOSS<br>(dB) | INPUT<br>R. LOSS<br>(dB) |
|--------------------|---------------------------|--------------------------|
| 0.15               | 1.74                      | 9.52                     |
| 0.27               | 1.27                      | 12.91                    |
| 0.80               | 0.86                      | 18.03                    |
| 20.00              | 0.70                      | 21.64                    |
| 70.00              | 0.88                      | 15.43                    |
| 105.00             | 1.03                      | 12.45                    |
| 130.00             | 1.17                      | 10.81                    |
| 155.00             | 1.35                      | 9.48                     |
| 182.00             | 1.54                      | 8.28                     |
| 200.00             | 1.65                      | 7.60                     |

## Config. C

