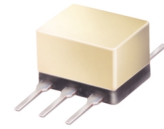


Surface Mount RF Transformer

50Ω 0.05 to 200 MHz

TT4-1+
TT4-1



CASE STYLE: W38
PRICE: \$5.95 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.

Maximum Ratings

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

Pin Connections

| | |
|---------------|---|
| PRIMARY DOT | 4 |
| PRIMARY | 6 |
| PRIMARY CT | 5 |
| SECONDARY DOT | 3 |
| SECONDARY | 1 |
| SECONDARY CT | 2 |

Features

- wideband, 0.05 to 200 MHz
- good return loss
- also available with surface mount gull wing (KK81) plug-in (X65) leads

Applications

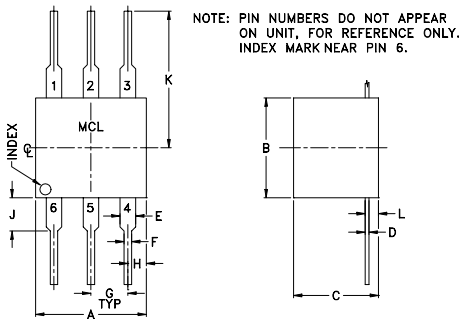
- HF/VHF
- impedance matching
- balanced antennas

Transformer Electrical Specifications

| Ω RATIO (Secondary/Primary) | FREQUENCY (MHz) | INSERTION LOSS* | | |
|-----------------------------------|--------------------|-----------------|-------------|-------------|
| | | 3 dB MHz | 2 dB MHz | 1 dB MHz |
| 3 | 0.05-200 | 0.05-200 | 0.2-50 | 1-30 |

* Insertion Loss is referenced to mid-band loss, 0.4 dB typ.

Outline Drawing



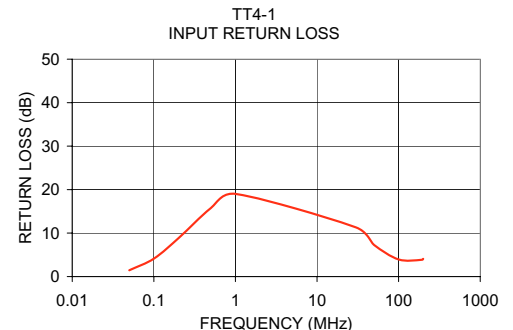
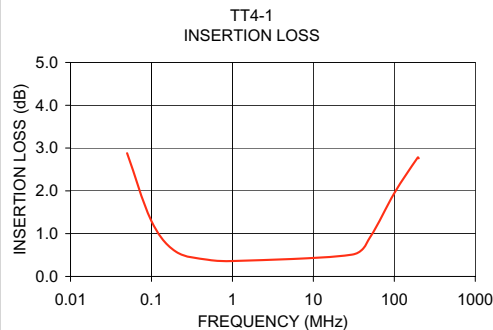
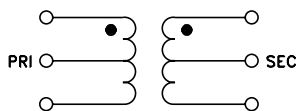
Outline Dimensions (inch/mm)

| | | | | | |
|------|------|------|------|------|-------|
| 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 (MHz) | INSERTION LOSS (dB) | INPUT R. LOSS (dB) |
|--------------------|---------------------------|--------------------------|
| 0.05 | 2.88 | 1.46 |
| 0.10 | 1.29 | 4.13 |
| 0.20 | 0.58 | 8.81 |
| 0.50 | 0.39 | 15.77 |
| 1.00 | 0.36 | 19.03 |
| 30.00 | 0.51 | 11.31 |
| 50.00 | 0.91 | 7.28 |
| 100.86 | 1.96 | 3.92 |
| 195.15 | 2.78 | 3.87 |
| 200.00 | 2.76 | 4.08 |

Config. B



Mini-Circuits®
ISO 9001 ISO 14001 CERTIFIED

ALL NEW
minicircuits.com

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



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS

REV. A
M98898
TT4-1
IG/TD/CP
070718