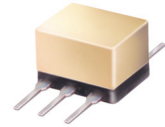


Surface Mount RF Transformer

50Ω 0.075 to 500 MHz

TT1.5-1+
TT1.5-1



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 |

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

Pin Connections

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

Features

- wideband, 0.075 to 500 MHz
- good return loss
- also available with surface mount gull wing (KK81) plug-in (X65) leads

Applications

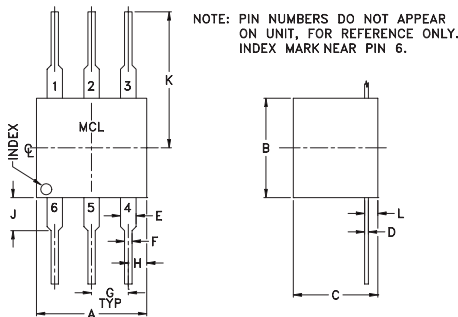
- VHF/UHF
- impedance matching
- CATV

Transformer Electrical Specifications

| Ω RATIO (Secondary/Primary) | FREQUENCY (MHz) | INSERTION LOSS* | | |
|-----------------------------------|--------------------|-----------------|-------------|-------------|
| | | 3 dB MHz | 2 dB MHz | 1 dB MHz |
| 1.5 | 0.075-500 | 0.075-500 | 0.2-100 | 1-50 |

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

Outline Drawing



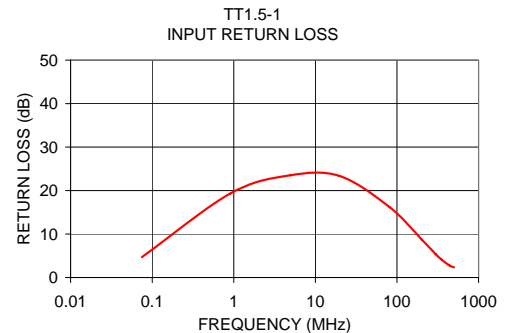
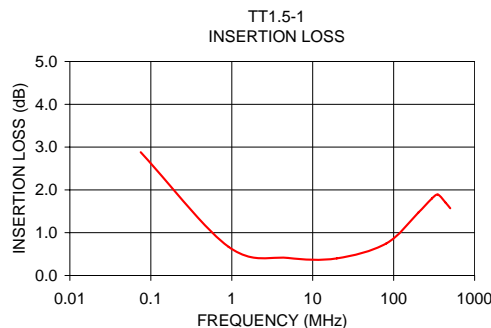
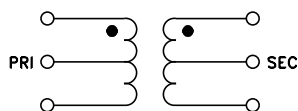
Outline Dimensions (inch/mm)

| 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) |
|--------------------|---------------------------|--------------------------|
| 0.080 | 2.88 | 4.70 |
| 0.910 | 0.67 | 19.36 |
| 4.940 | 0.41 | 23.51 |
| 19.840 | 0.40 | 23.36 |
| 81.210 | 0.75 | 16.19 |
| 201.510 | 1.47 | 8.72 |
| 297.470 | 1.80 | 5.38 |
| 351.510 | 1.89 | 4.13 |
| 439.130 | 1.70 | 2.79 |
| 500.000 | 1.57 | 2.35 |

Config. B



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IF/RF MICROWAVE COMPONENTS

For detailed performance specs
& shopping online see web site

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.

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