50Ω 2 to 500 MHz

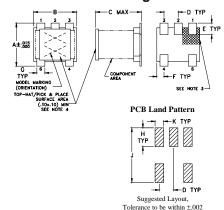
Maximum Ratings

| Operating Temperature | -20°C to 85°C |
|-------------------------------------|-----------------------------|
| Storage Temperature | -55°C to 100°C |
| RF Power | 0.25W |
| DC Current | 30mA |
| Darmanant damaga may again if any a | f thank limita are avecades |

Pin Connections

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

Outline Drawing AT1521

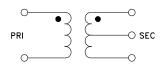


- Case Materiat: Plastic
 Z Termination Finish: Tin plate over Nickel plate.
 Leadf! identifier shall be located in the cross-hatched area shown, on bottom view. Identifier may be either a molded or marked feature.
 Top-Hat total thickness: .013 inches max.

Outline Dimensions (inch)

| F | Е | D | С | В | Α |
|-------|------|------|------|------|------|
| .025 | .040 | .050 | .160 | .150 | .150 |
| 0.64 | 1.02 | 1.27 | 4.06 | 3.81 | 3.81 |
| wt | | K | J | н | G |
| | | | - | | _ |
| grams | | .030 | .190 | .065 | .028 |
| 0.15 | | 0.76 | 4.83 | 1.65 | 0.71 |

Config. A



Features

- wideband, 2 to 500 MHz
- · good return loss
- · plastic base with leads
- aqueous washable

Applications

- push-pull amplifier
- · impedance matching

TC8-1X+





CASE STYLE: AT1521 PRICE: \$2.19 ea. QTY (20) \$1.19 ea. QTY (100)

+RoHS Compliant

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



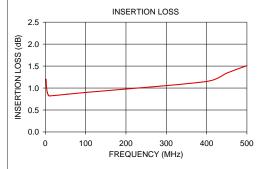
Transformer Electrical Specifications

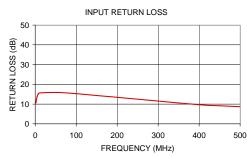
| Ω | FREQUENCY | | INSERTION LOSS* | |
|---------------------|-----------|-------------|-----------------|-------------|
| (Secondary/Primary) | (MHz) | 3 dB MHz | 2 dB MHz | 1 dB MHz |
| 8 | 2-500 | 2-500 | 5-400 | 10-100 |

* Insertion Loss is referenced to mid-band loss, 0.8 dB typ.

Typical Performance Data

| FREQUE (MHz | | I INPUT R. LOSS (dB) | 3 |
|----------------|------|----------------------------|---|
| 2.00 | 1.20 | 10.65 | |
| 3.00 | 1.03 | 12.20 | |
| 5.00 | 0.90 | 14.01 | |
| 7.50 | 0.84 | 15.09 | |
| 10.00 | 0.82 | 15.64 | |
| 55.00 | 0.86 | 15.88 | |
| 100.00 | 0.90 | 15.29 | |
| 400.00 | 1.15 | 9.68 | |
| 450.00 | 1.34 | 9.15 | |
| 500.00 | 1.51 | 8.67 | |





- A. 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.

 B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.

 C. The parts covered by this specification document 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