RF Transformer

TC1-15+

50Ω 350 to 1500 MHz

Maximum Ratings

| Operating Temperature | -40°C to 85°C |
|-------------------------------------|-----------------------------|
| Storage Temperature | -55°C to 100°C |
| RF Power | 0.25W |
| DC Current | 30mA |
| Pormonant damage may occur if any o | f those limits are eveneded |

Pin Connections

| PRIMARY DOT | 6 |
|---------------|---|
| PRIMARY | 4 |
| SECONDARY DOT | 1 |
| SECONDARY | 3 |
| NOT USED | 2 |

Features

- wideband, 350 to 1500 MHz
- · balanced transmission line
- good return loss
- plastic base with leads
- · aqueous washable

Applications

- PCS
- cellular
- · impedance matching
- balanced amplifier
- baluns



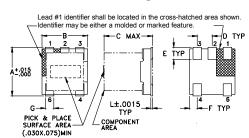
CASE STYLE: AT224-1 PRICE: \$2.29 ea. QTY (20) \$1.29 ea. QTY (100)

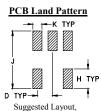
+RoHS Compliant

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



Outline Drawing AT224-1





Tolerance to be within ±.002

Electrical Specifications

| MODEL NO. | Ω RATIO | FREQUENCY (MHz) | 3 dB MHz | NSERTION LOSS 2 dB MHz | S* 1 dB MHz |
|--------------|------------|--------------------|-------------|------------------------------|-------------------|
| TC1-15+ | 1 | 350-1500 | _ | 350-1500 | 800-1500 |

Insertion Loss is referenced to mid-band loss, 0.35 dB tvp.

| F | Е | D | С | В | Α |
|-------|------|------|------|------|------|
| .025 | .040 | .050 | .160 | .150 | .150 |
| 0.64 | 1.02 | 1.27 | 4.06 | 3.81 | 3.81 |
| | | IZ. | | | _ |
| | _ | | J | Н | G |
| grams | .007 | .030 | .190 | .065 | .028 |
| 0.15 | 0.18 | 0.76 | 4.83 | 1 65 | 0.71 |

Outline Dimensions (inch)

| Config. G | |
|-----------|--|

SE

Typical Performance Data

| FREQUENCY (MHz) | INSERTION LOSS (dB) | INPUT R. LOSS (dB) | |
|--------------------|---------------------------|--------------------------|--|
| 350.00 | 0.46 | 8.47 | |
| 360.00 | 0.56 | 8.38 | |
| 470.00 | 0.71 | 7.92 | |
| 580.00 | 0.86 | 7.58 | |
| 690.00 | 0.59 | 8.03 | |
| 800.00 | 0.60 | 8.62 | |
| 975.00 | 0.48 | 11.81 | |
| 1150.00 | 0.38 | 19.36 | |
| 1325.00 | 0.43 | 29.22 | |
| 1500.00 | 0.50 | 30.48 | |





For detailed performance specs