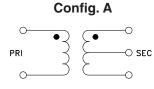
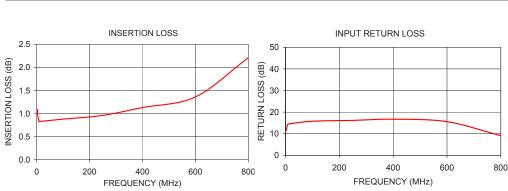
Upgraded Version* Surface Mount **RF Transformer TC4-1W+** 50Q 3 to 800 MHz **Maximum Ratings Features** • wideband, 3-800 MHz **Operating Temperature** -40°C to 85°C CASE STYLE: AT224-1A -55°C to 100°C good return loss Storage Temperature Addition of Top hat™ feature **RF** Power 0.25W plastic base with leads Benefits Allows faster pick-and-place Enables visual identification marking DC Current 30mA · aqueous washable Permanent damage may occur if any of these limits are exceeded +RoHS Compliant The +Suffix identifies RoHS Compliance. See our web site **Pin Connections** PRIMARY DOT 6 for RoHS Compliance methodologies and qualifications **Applications** PRIMARY 4 SECONDARY DOT • impedance matching Available Tape and Reel at no extra cost Reel Size Devices/Reel 7" 20 50 100 cost 1 SECONDARY 3 • push-pull amplifiers SECONDARY CT 20, 50, 100, 200, 500 1000, 2000 2 13" **Transformer Electrical Specifications** Outline Drawing AT224-1 FREQUENCY **INSERTION LOSS*** Ω RATIO (MHz) 1 dB 3 dB 2 dB Lead #1 identifier shall be located in the cross-hatched area shown (Secondary/Primary) Identifier may be either a molded or marked feature. MHz MHz MHz -C MAX -D TYP 1 B E TYP 4 3-800 3-800 5-400 10-100 Insertion Loss is referenced to mid-band loss. 0.8 dB tvp A+.015 G TYP TYP COMPONENT PICK & PLACE SURFACE AREA (.030X.075)MIN PCB Land Pattern ⊷к түр 0 **Typical Performance Data** FREQUENCY INSERTION INPLIT H TYP LOSS R. LOSS (MHz) -D TYP (dB) (dB) Suggested Layout Tolerance to be within ±.002 3.00 1.09 11.58 4.00 12.35 0.98 Outline Dimensions (inch) 5.00 0.93 13.11 7.50 0.86 14.21 в С D F F А 10.00 0.83 14.49 .160 .150 .050 .040 .150 .025 100.00 15.77 0.88 3.81 3.81 4.06 1.27 1.02 0.64 250.00 0.96 16.17 400.00 1.13 16.72 G н .1 Κ wt 600.00 1.36 15.59 .028 .065 .190 .030 grams 2.21 9.07 800.00 0.7 1.65 4.83 0.76 0.15 INSERTION LOSS INPUT RETURN LOSS





Notes

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-Circuit's website at www.minicircuits.com/WCLStore/terms.jsp

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