Surface Mount **RF** Transformer

75Ω 0.3 to 475 MHz

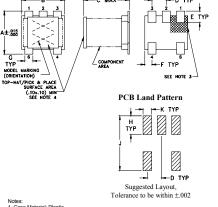
Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA
Permanent damage may occur if any of	f these limits are exceeded.

Pin Connections

PRIMARY DOT	6
PRIMARY	3
SECONDARY DOT	1
SECONDARY	3

Outline Drawing AT1521

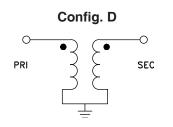


Notes: 1. Case Material: Plastic 2. Termination Finish: Tin plate over Nickel plate. 3. Lead#1 identifier shall be loated in the cross-hatched area shown, on bottom view. Identifier may be either a molded or marked feature. 4. Top-Hat total thickness: .013 inches max.

Outline Dimensions (inch)

A	B	C	D	E	F
.150	.150	.160	.050	.040	.025
3.81	3.81	4.06	1.27	1.02	0.64
G	H	J	K		wt
.028	.065	.190	.030		grams
0.71	1.65	4.83	0.76		0.15

Demo Board MCL P/N: TB-276



Features

- wideband 0.3-475 MHz
- good return loss, 23 dB typ in 1 dB bandwidth
- step-down 9:1 autotransformer
- plastic base with leads
- · aqueous washable

Applications

· matching laser diode





CASE STYLE: AT1521 PRICE: \$2.59 ea. QTY (20) \$1.59 ea. QTY (100)

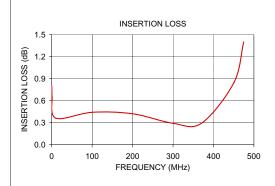
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Transformer Electrical Specifications				
Ω	FREQUENCY			
HATIO (Primary/Secondary)	RATIO (MHz) (Primary/Secondary)	3 dB MHz	2 dB MHz	1 dB MHz
75/8	0.3-475	0.3-475	0.5-450	0.9-370

Insertion Loss is referenced to mid-band loss, 0.4 dB typ Stepdown, 75 ohm primary, 51 pF across secondary

 	Performance Da		
FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	
0.30	0.80	14.70	
0.50	0.71	16.80	
0.90	0.66	18.13	
10.00	0.36	22.63	
100.00	0.44	22.86	
200.00	0.42	22.40	
300.00	0.29	23.48	
370.00	0.29	18.53	
450.00	0.84	9.48	
475.00	1.40	7.44	







For detailed performance specs

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engine 2 Provides ACTUAL Data Instantly at minicipation of the Design Engineers Search Engine 2 Provides ACTUAL Data Instantly IF/RF MICROWAVE COMPONENTS

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 tests performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuit's and terms and conditions (collective), "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 performance data www.minicircuits.com/MCLStore/terms.jsp.

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