TC2-72T+

10 to 700 MHz 50Q

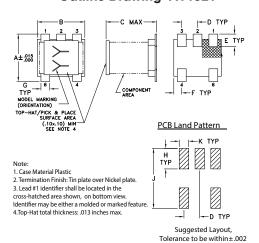
Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	250mW
DC Current	30mA
Permanent damage may occur if any	of those limits are evenedor

Pin Connections

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

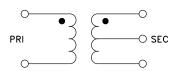
Outline Drawing AT1521



Outline Dimensions (inch)

Α	В	С	D	Е	F
.150	.150	.160	.050	.040	.025
3.81	3.81	4.06	1.27	1.02	0.64
G	Н	J	K		wt
G .028	H .065	J .190	K .030		wt grams

Config. A



Features

- wideband, 10 to 700 MHz
- · good return loss
- excellent amplitude unbalance, 0.5 dB typ. and phase unbalance, 1.3 deg typ. in 1 dB bandwidth
- · plastic base with leads
- aqueous washable

Applications

- impedance matching
- balanced to unbalanced transformation
- push-pull amplifiers





CASE STYLE: AT1521

+RoHS Compliant

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

Available Tape and Reel at no extra cost				
Reel Size	Devices/Reel			
7"	20, 50, 100, 200, 500			
1.3"	1000 2000			

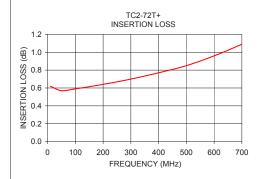
Electrical Specifications at 25°C

Parameter	Frequency (MHz)	Min.	Тур.	Max.	Unit	
Impedance Ratio (secondary/primary)			2		Ohm	
Frequency Range		10	_	700	MHz	
lacentian Lacet	10 - 400	_	0.4	1.3	dB	
Insertion Loss*	400 - 700	_	0.9	1.8	ФВ	
Amplitude Unhelenee	10 - 400	_	0.5	0.8	dB	
Amplitude Unbalance	400 - 700	_	1.3	2.0	ub	
Phase Unbalance	10 - 400	_	1.5	7.0	Degree	
Phase oribalance	400 - 700	_	2.25	9.0	Degree	

^{*} Insertion Loss is referenced to mid-band loss, 0.5 dB.

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANC (Deg.)
10.00	0.62	24.14	0.00	0.01
50.00	0.57	25.87	0.01	0.24
100.00	0.59	24.32	0.03	0.52
200.00	0.64	20.68	0.11	1.01
300.00	0.70	18.00	0.26	1.53
400.00	0.77	16.01	0.46	2.04
500.00	0.85	14.49	0.71	2.49
600.00	0.96	13.28	1.02	2.88
700.00	1.09	12.30	1.39	3.17





- 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