



top hat
SURFACE MOUNT
RF Transformer

TC2-72T+

50Ω 10 to 700 MHz

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



Generic photo used for illustration purposes only

CASE STYLE: AT1521

+RoHS Compliant

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

APPLICATIONS

- Impedance matching
- Balanced to unbalanced transformation
- Push-pull amplifier

ELECTRICAL SPECIFICATIONS AT 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Impedance Ratio (primary/secondary)			2		
Frequency Range		10	—	700	MHz
Insertion Loss*	10 - 400	—	0.4	1.3	dB
	400 - 700	—	0.9	1.8	
Amplitude Unbalance	10 - 400	—	0.5	0.8	dB
	400 - 700	—	1.3	2.0	
Phase Unbalance	10 - 400	—	1.5	7.0	Degree
	400 - 700	—	2.25	9.0	

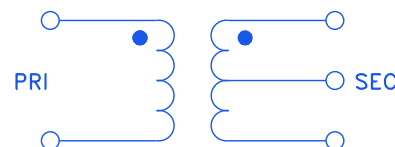
* Insertion Loss is referenced to mid-band loss, 0.5 dB.

MAXIMUM RATINGS

Parameter	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 these limits are exceeded.

CONFIG. A



REV. C
ECO-014884
TC2-72T+
MCL NY
220829

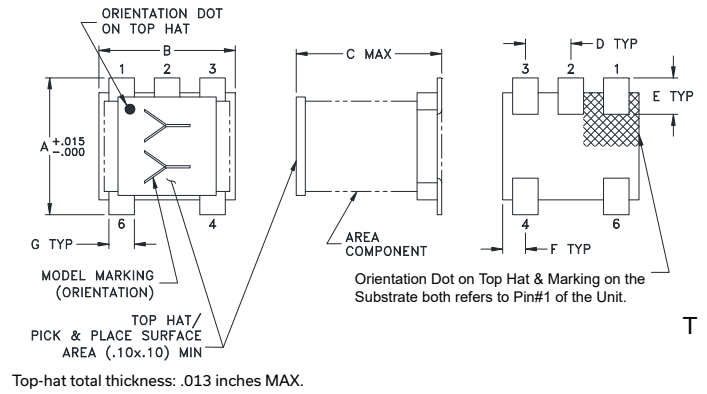


PIN CONNECTIONS

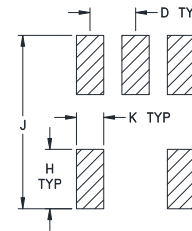
PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	1
SECONDARY	3
SECONDARY CT	2

PRODUCT MARKING: AH

OUTLINE DRAWING



PCB Land Pattern



Suggested Layout,
Tolerance to be within $\pm .002$

OUTLINE DIMENSIONS (Inch/mm)

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

Weight: 0.15 grams

TAPE & REEL INFORMATION: F17