



top hat  
SURFACE MOUNT  
RF Transformer

TC4-25X+

50Ω 500 to 2500 MHz

FEATURES

- Wideband, 500-2500 MHz
- Balanced transmission line with secondary center tap
- Good return loss
- 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

- PCS
- Cellular

ELECTRICAL SPECIFICATIONS AT 25°C

Parameter	Condition	Min.	Typ.	Max.	Unit
Impedance Ratio (secondary/primary)			4		
Frequency Range		500		2500	MHz
Insertion Loss*	500-2500		3.0		dB
	700-1500		2.0		
	750-1200		1.0		

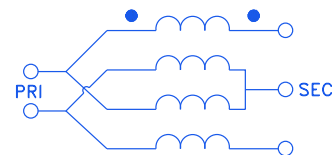
\* Insertion Loss is referenced to mid-band loss, 0.2 dB typ.

MAXIMUM RATINGS

Parameter	Ratings
Operating Temperature	-40°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 these limits are exceeded.

CONFIG. H



REV. B  
ECO-014884  
TC4-25X+  
IG/TD/AM  
230808



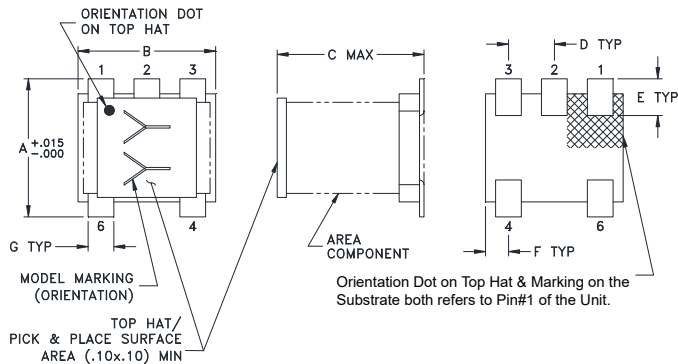


### PIN CONNECTIONS

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

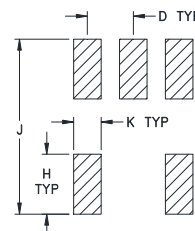
**PRODUCT MARKING:** CW

### OUTLINE DRAWING



Top-hat total thickness: .013 inches MAX.

### PCB Land Pattern



Suggested Layout,  
Tolerance to be within  $\pm 0.002$

### 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