

### **SURFACE MOUNT**

## RF Transformer

50Ω 10 to 1900 MHz

# TC4-19+ 86,

- \*Addition of Top Hat® feature Benefits
- Allows faster pick-and-place
- · Enables visual identification marking



Generic photo used for illustration purposes only CASE STYLE: AT224-1A

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

#### **FEATURES**

- Wideband, 10-1900 MHz
- · Balanced transmission line with secondary center tap
- · Plastic base with leads
- Aqueous washable

#### **APPLICATIONS**

- PCS
- Cellular

#### **ELECTRICAL SPECIFICATIONS AT 25°C**

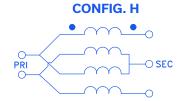
ELECTRICAL SPECIFICATIONS AT 25 C							
Parameter	Frequency (MHz)	Min.	Тур.	Max.	Unit		
Impedance Ratio (secondary / primary)			4				
Frequency Range		10		1900	MHz		
	10-1900		3		dB		
nsertion Loss*	20-1000		2				
	30-700		1				
A more little and a late to the late of th	30-700		0.3		dB		
Amplitude Unbalance	20-1000		0.5				
Dhara Habalana	30-700		4		Degree		
Phase Unbalance	20-1000		6				

 $<sup>^{\</sup>star}$  Insertion Loss is referenced to mid-band loss, 1.0 dB typ.

#### **MAXIMUM RATINGS**

Parameter	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 these limits are exceeded.



REV. B ECO-015303 TC4-19+ MCL NY 220906





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TC4-19+

50Ω

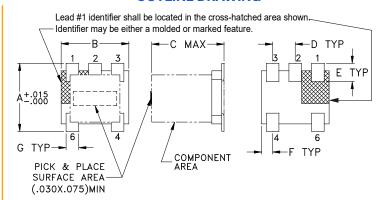
10 to 1900 MHz

#### **PIN CONNECTIONS**

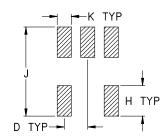
PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	3
SECONDARY	1
SECONDARY CT	2

**PRODUCT MARKING: NA** 

#### **OUTLINE DRAWING**



#### **PCB Land Pattern**



Suggested Layout, Tolerance to be within±.002

## OUTLINE DIMENSIONS $\binom{lnch}{mm}$

F	Ε	D	С	В	Α
.025	.040	.050	.160	.150	.150
0.64	1.02	1.27	4.06	3.81	3.81
wt		K	J	Н	G
grams		.030	.190	.065	.028
0.15		0.76	4.83	1.65	0.71

**TAPE & REEL INFORMATION: F17**