



Transformer

50Ω 3 to 800MHz

TC4-1W

Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA

Pin Connection

PORT	ha
PRIMARY DOT	6
PRIMARY	4
SECONDARY DOT	1
SECONDARY	3
SECONDARY CT	2
NOT USED	5



AT224-3

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

Features:

- wideband, 3-800 MHz
- good return loss
- leadless surface mount
- aqueous washable

Applications:

- impedance matching
- push-pull amplifiers

Transformer Electrical Specifications

∅ RATIO (Secondary/Primary)	Frequency (MHz)	3dB MHz	Insertion Loss * 2dB MHz	1dB MHz
4	3-800	3-800	5-400	10-100

* Insertion Loss is referenced to mid-band loss, 0.8 dB typ.

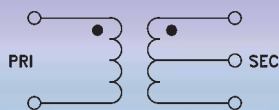
Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	Input R. Loss (dB)
3.00	1.09	11.58
4.00	0.98	12.35
5.00	0.93	13.11
7.50	0.86	14.21
10.00	0.83	14.49
100.00	0.88	15.77
250.00	0.96	16.17
400.00	1.13	16.72
600.00	1.36	15.59
800.00	2.21	9.07

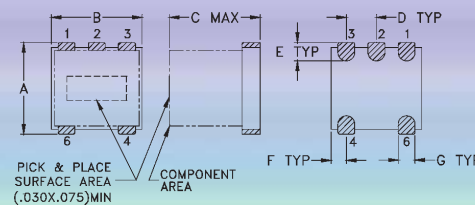
Outline Dimensions (inch mm)

A	B	C	D	E	F	G	H	J	
.150	.150	.150	.050	.030	.025	.028	.065	.190	
3.81	3.81	3.81	1.27	0.76	0.64	0.71	1.65	4.83	
K									wt. grams.
.030									0.10
0.76									

Electrical Config. A



Outline Drawing AT 224-3



PCB Land Pattern

