

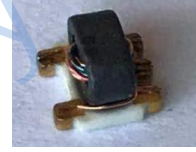
Features

- Suitable for tin/lead and RoHS solder systems
- Wideband, 10-1900 MHz
- Balanced transmission line with secondary center tap
- Aqueous washable

Applications

- PCS
- Cellular

HT-TC4-19+



50Ω 10 to 1900 MHz

Electrical Specifications at 25°C					
Parameter	Frequency(MHz)	Min.	Typ.	Max.	Unit
Impedance Ratio (Secondary/Primary)			4		
Frequency Range		10		1900	Mhz
Insertion Loss	10-1900		3		dB
	20-1000		2		
	30-700		1		
Amplitude Unbalance	30-700		0.3		dB
	20-1000		0.5		
Phase Unbalance	30-700		4		Degree
	20-1000		6		

Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA

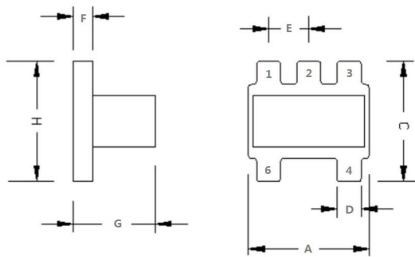
Permanent damage may occur if any of these limits are exceeded.

Typical Performance Data at 25° C				
FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (deg.)
10.00	1.24	16.03	0.06	0.03
50.00	1.04	19.54	0.04	0.39
100.00	0.99	19.98	0.01	0.83
500.00	1.13	14.68	0.02	3.20
700.00	1.24	12.43	0.17	3.49
1000.00	1.55	9.92	0.49	3.74
1200.00	1.80	8.83	0.85	3.53
1500.00	2.34	7.69	1.47	3.59
1700.00	2.64	7.26	1.74	4.43
1900.00	2.99	7.01	1.95	4.99

Pin Connections

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

Outline Drawing



Config. H



Outline Dimensions (mm)

A	3.81	N	-
B	-	M	1.27
C	3.81	P	0.76
D	0.76	J	-
E	1.27	K	4.81
F	0.61	L	1.30
G	2.83	H	3.81
WT	0.16g		

PCB Land Pattern

