



# HTC series, high-precision, thin-film chip capacitors.



Capacitance tolerance as tight as  $\pm 0.035\text{pF}$ , and low equivalent series resistance.  
Chip sizes of 0402 and 0201 are available.  
Space saving face down mounting is possible.

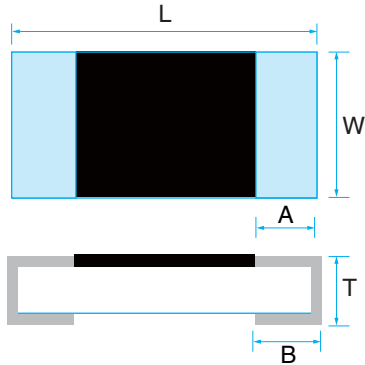
RoHS compliant

Completely lead free



## SPECIFICATIONS

### Mechanical



Dimension (Inch Size)	HTC0603 (0201)	HTC1005 (0402)
L	$0.6 \pm 0.03$	$1.0 \pm 0.05$
W	$0.3 \pm 0.03$	$0.5 \pm 0.05$
A	$0.12 \pm 0.05$	$0.2 \pm 0.10$
B	$0.15 \pm 0.05$	$0.25 \pm 0.10$
T	$0.28 + 0.03 / - 0.05$	$0.28 \pm 0.05$

(unit : mm)

### Electrical

Type	HTC0603				HTC1005		
Capacitance Range (pF)	0.1~0.45	0.5~0.7	0.8~1.0	1.2~1.8	0.1~0.7	0.75~1.0	1.2~10
Capacitance Value	0.05pF step	0.1pF step		E-12	0.05pF step		E-12
Capacitance tolerance	±0.035pF		±5%		±0.035pF	±5%	
Temperature coefficient of capacitance(ppm/°C)	0±60ppm/°C						
Rated Voltage (V)	25V						
Operating Temp. Range(°C)	-40~85°C						
Package	5,000(T5), 10,000pcs						



## PART NUMBER

**HTC 0603 - 1E - R30 - J (-L5)**

- Given to 5,000 piece reels
- Tolerance of capacitance : J( $\pm 5\%$ ), T35( $\pm 0.035\text{pF}$ )
- Capacitance : R30(0.30pF)
- Rated Voltage : 1E(25V)
- Dimensions
- Part Code