

HTC series, high-precision, thin-film chip capacitors. Now under development



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.

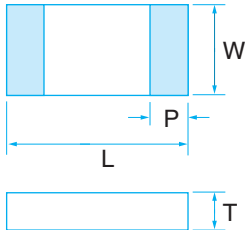
RoHS compliant

Completely lead free



SPECIFICATIONS

Mechanical



Dimension (Inch Size)	HTC0603 (0201)	HTC1005 (0402)
L	0.60 \pm 0.05	1.00 \pm 0.10
W	0.30 \pm 0.05	0.50 \pm 0.10
P	0.07 \pm 0.05	0.15 \pm 0.10
T	0.28 \pm 0.03	0.38 \pm 0.10

(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
Capacitance Value	0.05pF step	0.1pF step		E-12	0.05pF step		E-12
Capacitance tolerance	$\pm 0.035\text{pF}$		$\pm 5\%$		$\pm 0.035\text{pF}$	$\pm 5\%$	
Temperature coefficient of capacitance(ppm/ $^{\circ}\text{C}$)	0 \pm 60ppm/ $^{\circ}\text{C}$						
Rated Voltage (V)	25V						
Operating Temp. Range($^{\circ}\text{C}$)	-40~85 $^{\circ}\text{C}$						
Package	5,000(T5), 10,000pcs						



PART NUMBER

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

