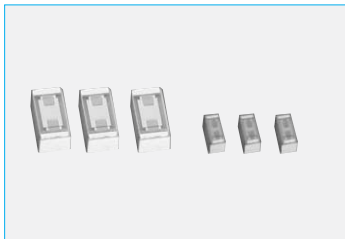


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# HTC series, high-precision, thin-film chip capacitors. Now under development

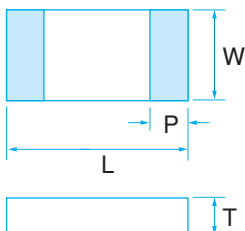


Tight tolerance of capacitance as time as  $\pm 0.035\text{PF}$ , and low equivalent series resistance. Chip sizes of 0402 and 0201 are available. Face-down use also is possible, leading to space savings. Our SMD components contribute to lead-free composition of electronics products.



## SPECIFICATIONS

### Mechanical



Dimension	HTC0603 (0210)	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	$0.28 \pm 0.03$	$0.38 \pm 0.10$

### Equivalent circuit



### 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/°C)	$0 \pm 60\text{ppm/}^\circ\text{C}$						
Rated Voltage (V)	25V						
Operating temperature range (°C)	$-40 \sim 85^\circ\text{C}$						



## PART NUMBER

# HTC 0603 - 1E - R30 - J

