



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

Now under development



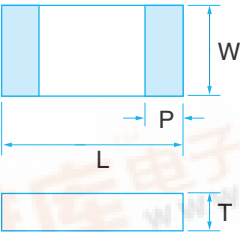
Capacitance tolerance as tight as $\pm 0.035\text{PF}$, and low equivalent series resistance.
Chip sizes of 0402 and 0201 are available.
Space saving face down mounting is possible.

RoHS compliant

Completely lead free

SPECIFICATIONS

Mechanical



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