

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.

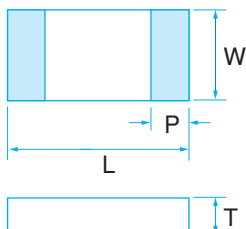
Face-down use also is possible, leading to space savings.

Our SMD components contribute to lead-free composition of electronics products.



SPECIFICATIONS

Mechanical



Dimension	HTC0603 (0210)	HTC1005 (0402)
L	0.60 ± 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

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	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 temperature range(°C)	-40~85°C						



PART NUMBER

HTC 0603 - 1E - R30 - J

Tolerance of capacitance : J($\pm 5\%$), T35($\pm 0.035\text{pF}$)

Capacitance : R30(0.30pF)

Rated Voltage : 1E(25V)

Dimensions

Part Code