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

Tight tolerance of capacitance as time as ± 0.035 PF, and low equivalent series resistance. Chip sizes of 0402 and 0201 are available.

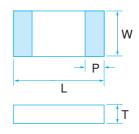
Face-down use also is possible, leading to space savings.

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	$0.30 \!\pm\! 0.05$	0.50 ± 0.10		
Р	0.07 ± 0.05	0.15±0.10		
Т	0.28±0.03	0.38±0.10		

Equipvalent circuit



Electrical

Туре	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	F step E-12		0.05p	F step E-12			
Capacitance tolerance	±0.0	35pF ±		5%	±0.035pF ±5		5%		
Temperature coefficient of capacitance(ppm/°C)	0±60ppm/°C								
Rated Voltage (V)	25V								
Operating temperature range(°C)	−40~85°C								



PART NUMBER

