

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



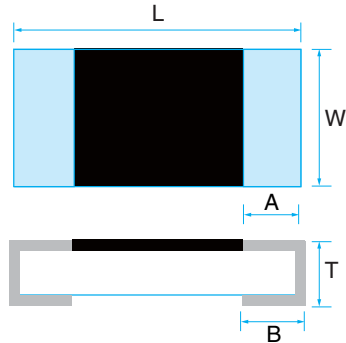
Capacitance tolerance as tight as $\pm 0.035\text{PF}$, and low equivalent series resistance.
 Chip sizes of 0402 and 0201 are available.
 Space saving face down mounting is possible.

RoHS compliant Completely lead free



SPECIFICATIONS

Mechanical



| Dimension (Inch Size) | HTC0603 (0201) | HTC1005 (0402) |
|-----------------------|------------------------|-----------------|
| L | 0.6 ± 0.03 | 1.0 ± 0.05 |
| W | 0.3 ± 0.03 | 0.5 ± 0.05 |
| A | 0.12 ± 0.05 | 0.2 ± 0.10 |
| B | 0.15 ± 0.05 | 0.25 ± 0.10 |
| T | $0.28 + 0.03 / - 0.05$ | 0.28 ± 0.05 |

(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/°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)

