

HSLC Series Single Layer Capacitor

1. Capacitor characteristics and applications

1. 1 Characteristics

- Size specifications are standardized and suitable for surface mount components in hybrid integrated circuits or printed circuits;
- Low ESR and high reliability;
- Low loss, high capacitance stability, high operating frequency;

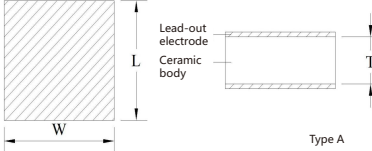
1. 2 Main performance

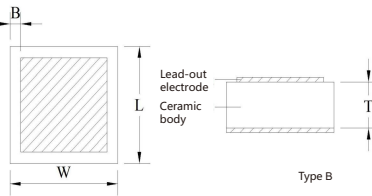
- Insulation resistance: Class I and II ceramics $\geq 10000\text{ M}\Omega$, Class III ceramics $\geq 1,000\text{ M}\Omega$ at 20°C
- Operating temperature: W/F/G: -55°C~125°C; X: -35°C~+85°C

2. How to order

<u>HSLC</u>	<u>1111</u>	<u>C0G</u>	<u>1R0</u>	<u>B</u>	<u>501</u>	<u>N</u>	<u>T</u>
Type	Size	Dielectric	Capacitance unit: (pF)	Tolerance	Rated voltage	Termination	Packaging style
HSLC series single layer capacitor	0402 2525 0603 3838 0805 6243 0505 7676 1111	C0G: +30ppm/°C	The first two digits are significant figures, and the last digit is the power of 10	A: $\pm 0.05\text{pF}$ B: $\pm 0.10\text{pF}$ C: $\pm 0.25\text{pF}$ D: $\pm 0.50\text{pF}$ F: $\pm 1.0\%$ G: $\pm 2.0\%$ J: $\pm 5.0\%$ K: $\pm 10.0\%$	The first two digits are significant figures, and the last digit is the power of 10	N: Leading-out Terminal: Ag/Ni/Sn Z: Leading-out Terminal: Ag/Ni/SnPb E: Non-magnetic Terminal M: Microstrip A: Axial tape RW: Radial wire RN: Non-magneticradialwire	T: Tape & reel C: Cut Tray B: Bulk

3. Product Dimensions

Product Type	Size Code	Dimensions (mm)			Size Code	Dimensions (mm)		
		L	W	T		L	W	T
 Type A	10	0.254 $\pm$ 0.076	0.254 $\pm$ 0.076	0.20 $\pm$ 0.06	15	0.381 $\pm$ 0.076	0.381 $\pm$ 0.076	0.20 $\pm$ 0.06
	20	0.508 $\pm$ 0.127	0.508 $\pm$ 0.127	0.20 $\pm$ 0.06	25	0.635 $\pm$ 0.127	0.635 $\pm$ 0.127	0.20 $\pm$ 0.06
	30	0.762 $\pm$ 0.127	0.762 $\pm$ 0.127	0.20 $\pm$ 0.06	35	0.889 $\pm$ 0.127	0.889 $\pm$ 0.127	0.20 $\pm$ 0.06
	40	1.016 $\pm$ 0.127	1.016 $\pm$ 0.127	0.20 $\pm$ 0.06	50	1.270 $\pm$ 0.254	1.270 $\pm$ 0.254	0.20 $\pm$ 0.06
	70	1.780 $\pm$ 0.254	1.780 $\pm$ 0.254	0.20 $\pm$ 0.06	90	2.290 $\pm$ 0.254	2.290 $\pm$ 0.254	0.20 $\pm$ 0.06

Product Type	Size Code	Dimensions (mm)				Size Code	Dimensions (mm)			
		L	W	T	B		L	W	T	B
 Type B	10	0.254 $\pm$ 0.076	0.254 $\pm$ 0.076	0.20 $\pm$ 0.06	0.05 $\pm$ 0.025	15	0.381 $\pm$ 0.076	0.381 $\pm$ 0.076	0.20 $\pm$ 0.06	0.05 $\pm$ 0.025
	20	0.508 $\pm$ 0.127	0.508 $\pm$ 0.127	0.20 $\pm$ 0.06	0.05 $\pm$ 0.025	25	0.635 $\pm$ 0.127	0.635 $\pm$ 0.127	0.20 $\pm$ 0.06	0.05 $\pm$ 0.025
	30	0.762 $\pm$ 0.127	0.762 $\pm$ 0.127	0.20 $\pm$ 0.06	0.05 $\pm$ 0.025	35	0.889 $\pm$ 0.127	0.889 $\pm$ 0.127	0.20 $\pm$ 0.06	0.05 $\pm$ 0.025
	40	1.016 $\pm$ 0.127	1.016 $\pm$ 0.127	0.20 $\pm$ 0.06	0.05 $\pm$ 0.025	50	1.270 $\pm$ 0.254	1.270 $\pm$ 0.254	0.20 $\pm$ 0.06	0.05 $\pm$ 0.025
	70	1.780 $\pm$ 0.254	1.780 $\pm$ 0.254	0.20 $\pm$ 0.06	0.05 $\pm$ 0.025	90	2.290 $\pm$ 0.254	2.290 $\pm$ 0.254	0.20 $\pm$ 0.06	0.05 $\pm$ 0.025