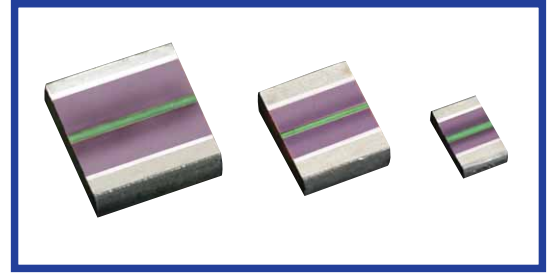


ST SERIES

UPGRADE

◆FEATURES

- Surface-mounted device.
- Lead free reflow soldering is available.
- RoHS compliance.



◆CAUTION

ST series shall be used in only reflow method. Do not use in flow, dipping, and VPS soldering method. Please storage in moisture proof bag with dry silica-gel after opening the moisture proof bag. Please ask for detail.

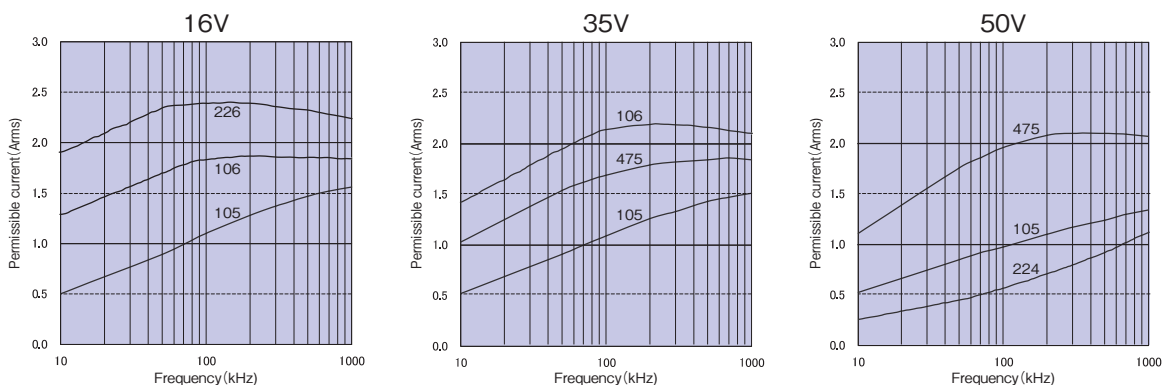
◆SPECIFICATIONS

Items	Characteristics	
Category Temperature Range	-55~+125°C	-55~+105°C
Rated Voltage Range	16~63V.DC	100V.DC
Capacitance Tolerance	0.01~22μF(103~226) E6 series	0.001~0.1μF(102~104) E6 series
Capacitance Tolerance	±10% (K), ±20% (M)	
(tanδ) Dissipation Factor(MAX)	1.5% or less(1kHz±20%, 5Vrms or less)	
Voltage Proof	Nothing abnormal shall be found, when applying 150% of the rated voltage for 1 minute or 175% of the rated voltage for 1 second to 5 seconds.	
Insulation Resistance	C≤0.1μF:3000MΩor more (After 1 minute application of rated voltage) C>0.1μF:300MΩ·μF or more (After 1 minute application of rated voltage)	1000MΩ or more (After 1 minute application of rated voltage)

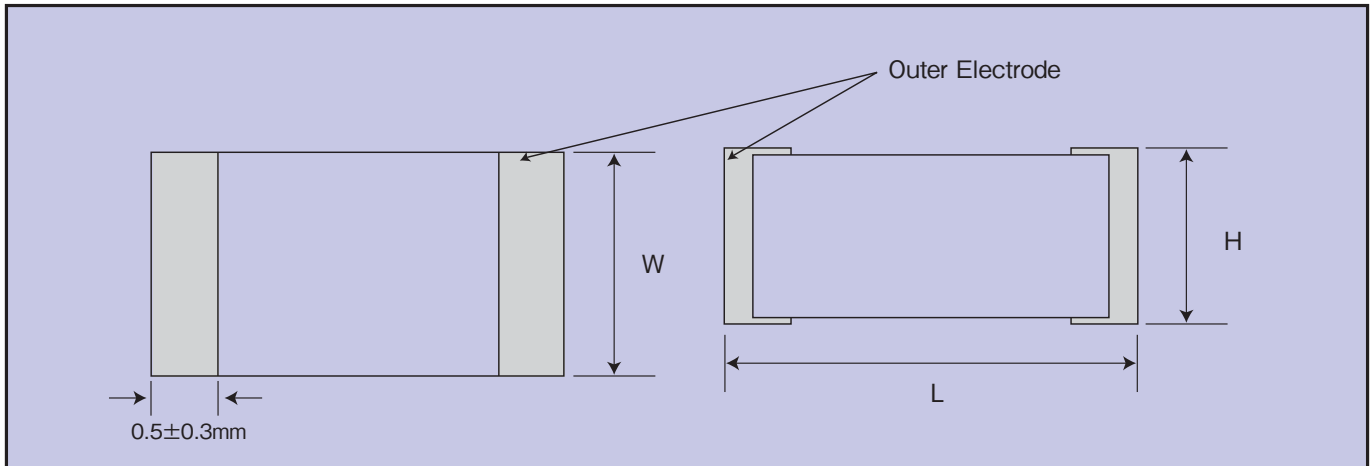
◆PART NUMBER

□□□		ST	□□□		□	□□□	□□	□□□□
Rated Voltage		Series	Capacitance		Capacitance Tolerance	Option	TP code	Chip Size
Code	Rated Voltage	Code	Capacitance		Code	Tolerance	Code	Chip Size
16	16V.DC	153	0.015μF		K	±10%	3216	3.2×1.6mm
25	25V.DC	224	0.22μF		M	±20%	3225	3.2×2.5mm
35	35V.DC	684	0.68μF				4532	4.5×3.2mm
50	50V.DC	335	3.3μF				5750	5.7×5.0mm
63	63V.DC	106	10μF					
100	100V.DC	226	22μF					

◆PERMISSIBLE CURRENT FOR FREQUENCY



◆ DIMENSIONS



◆ STANDARD SIZE (L±0.3×W±0.3×H±0.2)

□: Tolerance

Rated Voltage (V.DC)	Capacitance (μF)	Size			Part No.
		L (mm)	W (mm)	H (mm)	
16	1.0	3.2	1.6	1.4	16ST105□A23216
	1.5	3.2	1.6	1.4	16ST155□A23216
	2.2	3.2	2.5	1.8	16ST225□B23225
	3.3	3.2	2.5	2.0	16ST335□B33225
	4.7	4.5	3.2	1.4	16ST475□C14532
	6.8	4.5	3.2	1.8	16ST685□C24532
	10	4.5	3.2	2.6	16ST106□C44532
	15	5.7	5.0	1.8	16ST156□D15750
	22	5.7	5.0	2.6	16ST226□D35750
25	0.68	3.2	1.6	1.4	25ST684□A23216
	1.0	3.2	1.6	1.4	25ST105□A23216
	1.5	3.2	2.5	2.0	25ST155□B33225
	2.2	3.2	2.5	1.8	25ST225□B23225
	3.3	4.5	3.2	1.4	25ST335□C14532
	4.7	4.5	3.2	1.8	25ST475□C24532
	6.8	4.5	3.2	2.6	25ST685□C44532
	10	5.7	5.0	1.8	25ST106□D15750
	15	5.7	5.0	2.6	25ST156□D35750
35	0.47	3.2	1.6	1.0	35ST474□A13216
	0.68	3.2	1.6	1.4	35ST684□A23216
	1.0	3.2	2.5	1.4	35ST105□B13225
	1.5	3.2	2.5	2.0	35ST155□B33225
	2.2	4.5	3.2	1.4	35ST225□C14532
	3.3	4.5	3.2	1.8	35ST335□C24532
	4.7	4.5	3.2	2.6	35ST475□C44532
	6.8	5.7	5.0	1.8	35ST685□D15750
	10	5.7	5.0	2.6	35ST106□D35750
50	0.10	3.2	1.6	1.0	50ST104□A13216
	0.15	3.2	1.6	1.0	50ST154□A13216
	0.22	3.2	1.6	1.0	50ST224□A13216
	0.33	3.2	1.6	1.4	50ST334□A23216
	0.47	3.2	2.5	1.4	50ST474□B13225
	0.68	3.2	2.5	1.8	50ST684□B23225
	1.0	4.5	3.2	1.4	50ST105□C14532
	1.5	4.5	3.2	1.8	50ST155□C24532
	2.2	4.5	3.2	2.6	50ST225□C44532
	3.3	5.7	5.0	1.8	50ST335□D15750
	4.7	5.7	5.0	2.6	50ST475□D35750

Rated Voltage (V.DC)	Capacitance (μF)	Size			Part No.
		L (mm)	W (mm)	H (mm)	
63	0.010	3.2	1.6	1.0	63ST103□A13216
	0.015	3.2	1.6	1.0	63ST153□A13216
	0.022	3.2	1.6	1.0	63ST223□A13216
	0.033	3.2	1.6	1.0	63ST333□A13216
	0.047	3.2	1.6	1.0	63ST473□A13216
	0.068	3.2	1.6	1.0	63ST683□A13216
	0.10	3.2	1.6	1.0	63ST104□A13216
	0.15	3.2	1.6	1.0	63ST154□A13216
	0.22	3.2	1.6	1.4	63ST224□A23216
	0.33	3.2	2.5	1.4	63ST334□B13225
	0.47	3.2	2.5	1.8	63ST474□B23225
	0.68	4.5	3.2	1.4	63ST684□C14532
	1.0	4.5	3.2	1.8	63ST105□C24532
	1.5	4.5	3.2	2.6	63ST155□C44532
100	0.0010	3.2	1.6	1.0	100ST102□A13216
	0.0015	3.2	1.6	1.0	100ST152□A13216
	0.0022	3.2	1.6	1.0	100ST222□A13216
	0.0033	3.2	1.6	1.0	100ST332□A13216
	0.0047	3.2	1.6	1.0	100ST472□A13216
	0.0068	3.2	1.6	1.0	100ST682□A13216
	0.010	3.2	1.6	1.0	100ST103□A13216
	0.015	3.2	1.6	1.0	100ST153□A13216
	0.022	3.2	1.6	1.0	100ST223□A13216
	0.033	3.2	1.6	1.0	100ST333□A13216
	0.047	3.2	1.6	1.4	100ST473□A23216
	0.068	3.2	2.5	1.4	100ST683□B13225
	0.10	3.2	2.5	1.8	100ST104□B23225

Size Code Conversion

mm	inch
3216	1206
3225	1210
4532	1812
5750	2220