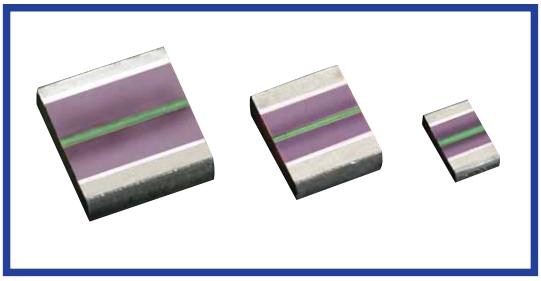
ST SERIES

Standard

- Surface-mounted device.
- Non-polar capacitor.
- Lead free reflow soldering is available.

RoHS compliance



◆SPECIFICATIONS

Items	Characteristics	
Category Temperature Range	−55～+125℃	
Rated Voltage Range	16～63Vdc	100Vdc
Capacitance Range	0.047～22μF(473～226)	0.001～0.1μF(102～104)
Capacitance Tolerance	±10%(K), ±20%(M)	
Dissipation Factor(tanδ)	1.5% or less(1kHz±20%, 5Vrms or less)	
Voltage Proof	Nothing abnormal shall be found, when applying 150% of the rated voltage for 1minute 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
16	16Vdc
25	25Vdc
35	35Vdc
50	50Vdc
63	63Vdc
100	100Vdc

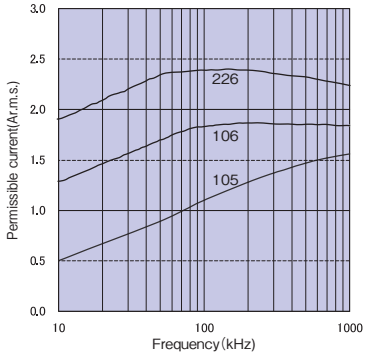
Code	Capacitance
102	0.001μF
473	0.047μF
684	0.68μF
335	3.3μF
106	10μF
226	22μF

Code	Tolerance
K	±10%
M	±20%

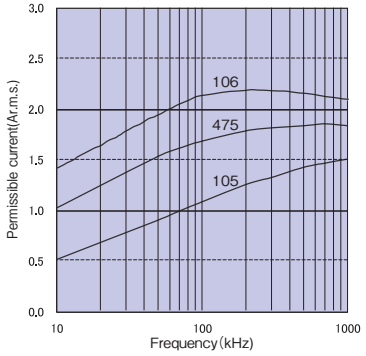
Code	Chip Size
3216	3.2×1.6mm
3225	3.2×2.5mm
4532	4.5×3.2mm
5750	5.7×5.0mm

◆PERMISSIBLE CURRENT FOR FREQUENCY

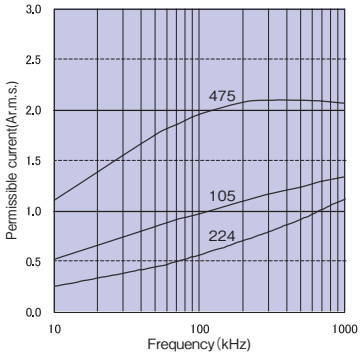
16Vdc



35Vdc



50Vdc



◆STANDARD SIZE

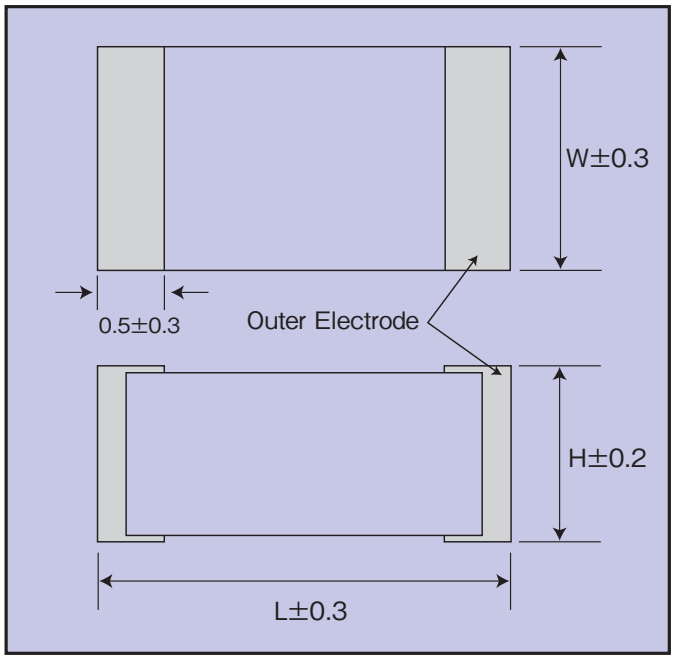
□:Capacitance Tolerance

Rated Voltage (Vdc)	Capacitance (μF)	Size L (mm)	Size W (mm)	Size H (mm)	Part No.
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 (Vdc)	Capacitance (μF)	Size L (mm)	Size W (mm)	Size H (mm)	Part No.
63	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
	2.2	5.7	5.0	1.8	63ST225□D15750
	3.3	5.7	5.0	2.6	63ST335□D35750
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

◆DIMENSIONS

(mm)