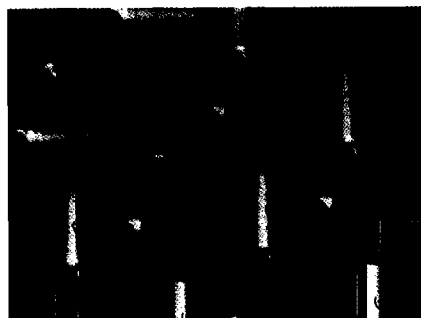
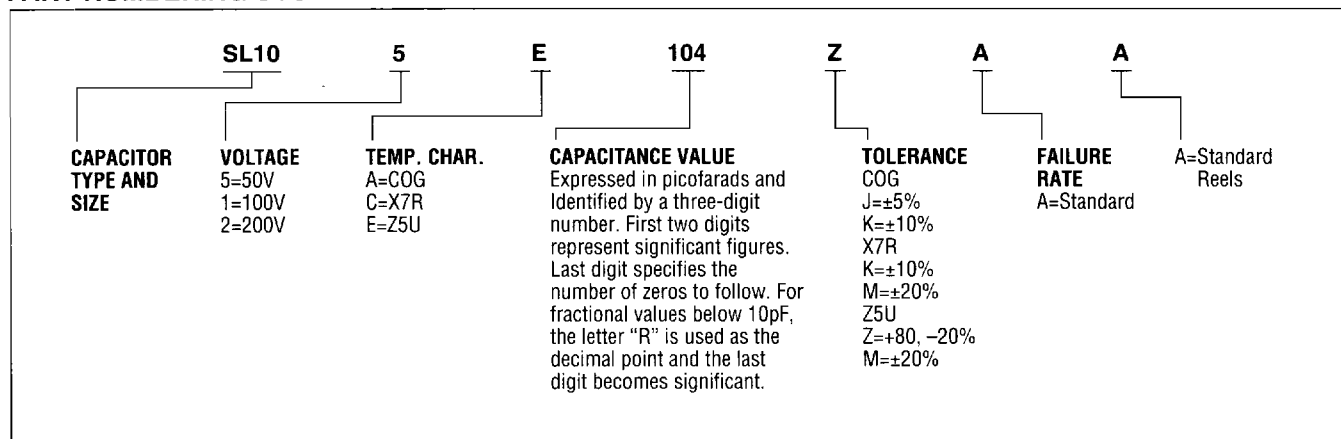


CONFORMAL COATED AXIAL LEADED MONOLITHIC CERAMIC CAPACITORS



- Industry Standard Sizes
- Wide Capacitance, T.C., Voltage and Tolerances Ranges
- Tape and Reel for Auto-Insertion

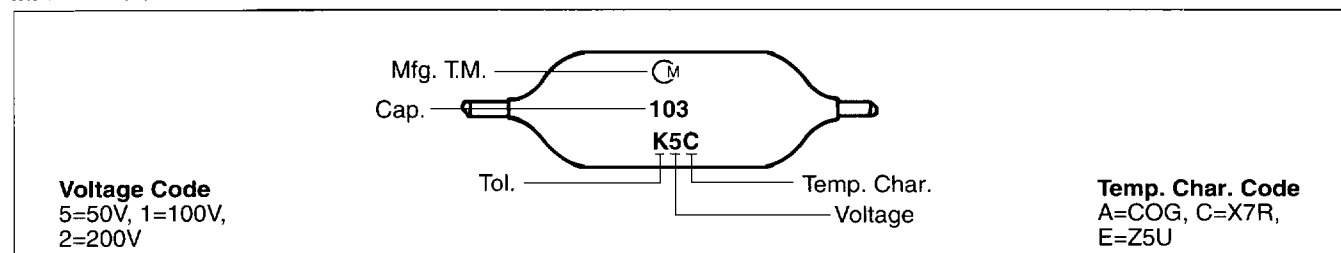
PART NUMBERING SYSTEM



DIMENSIONS: in. (mm)

	Capacitor Type and Size	L max.	D max.
	SL10	.170 (4.32)	.100 (2.54)
	SL11	.170 (4.32)	.120 (3.05)
	SL20	.260 (6.60)	.100 (2.54)
	SL30	.290 (7.37)	.150 (3.81)
	SL40	.400 (10.16)	.150 (3.81)

MARKINGS



Note: Distribution Item Only.

CONFORMAL COATED AXIAL LEADED MONOLITHIC CERAMIC CAPACITORS



SPECIFICATIONS

MECHANICAL

Construction:

Epoxy encapsulated—meets flame test requirements of UL Standard 94V-0.
High-temperature solder—meets EIA RS-198C, Method B4, Condition B (260°C for 10 sec.).

Lead Material:

Solder Coated Copper Clad Steel

Solderability:

EIA RS-198C, Method B7. Solder temperature—230° ±5°C.
Dwell time in solder—5 ± 1/2 seconds.

Terminal Strength:

EIA RS-198C, Method B5, Condition A (2.2 kg)

ELECTRICAL

Capacitance:

Within specified tolerance at 25°C and following test conditions.

COG—Greater than 1000pF with 1.0 vrms at 1 KHz.

—1000pF and less with 1.0 vrms at 1 MHz.

X7R—with 1.0 vrms at 1KHz

Z5U—with 0.5 vrms at 1KHz

Dissipation Factor:

At 25°C—same test conditions as capacitance.

COG—0.15% maximum

X7R—2.5% maximum

Z5U—3.0% maximum

Insulation Resistance:

EIA RS-198C, Method A4, Condition A

COG—100 gigohms or 1000 megohm x μ F, whichever is less.

X7R—100 gigohms or 1000 megohm x μ F, whichever is less.

Z5U—10 gigohms or 1000 megohm x μ F, whichever is less.

Dielectric Withstanding Voltage:

EIA RS-198C, Method A3, (250% of rated voltage with current limited to 50 mA)

TAPE & REEL FOR AUTO-INSERTION

DIMENSIONS: in. (mm)

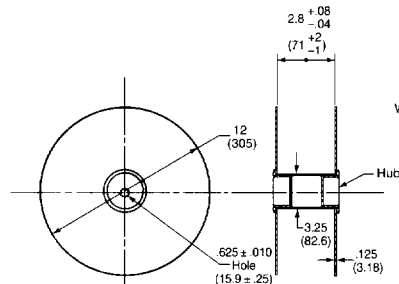


Figure 1 Standard Tape Reel

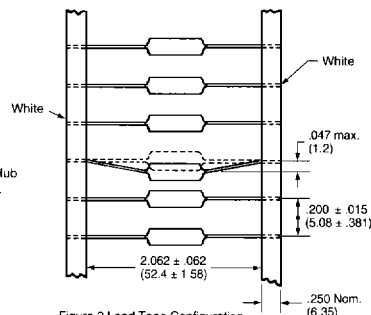


Figure 2 Lead Tape Configuration

NOTES:

1. Standard quantities per reel are

SL 10	5000pcs
SL 11	5000pcs
SL 20	5000pcs
SL 30	2500pcs
SL 40	2500pcs

2. Standard information marked on reel label is:

a: Customers Part No.

b: Our Part No.

c: Quantity

d: Inspection No.

3. Maximum 0.25% of capacitors per reel quantity may be missing with no consecutive misses.

Note: Distribution Item Only.

MONOLITHIC CERAMIC CAPACITORS CONFORMAL COATED AXIAL LEADED

★ PREFERRED VALUES

COG	
Cap. Value	Part No.
200VDC	
10pF	SL102A100JAA
12	SL102A120JAA
15	SL102A150JAA
18	SL102A180JAA
22	SL102A220JAA
27	SL102A270JAA
33	SL102A330JAA
39	SL102A390JAA
47	SL102A470JAA
56	SL102A560JAA
68	SL102A680JAA
82	SL102A820JAA
100	SL102A101JAA
120	SL102A121JAA
100VDC	
150pF	SL101A151JAA
180	SL101A181JAA
220	SL101A221JAA
270	SL101A271JAA
330	SL101A331JAA
390	SL101A391JAA
470	SL101A471JAA
560	SL101A561JAA
680	SL101A681JAA
820	SL101A821JAA
1,000	SL101A102JAA
1,200	SL201A122JAA
1,500	SL201A152JAA
1,800	SL201A182JAA
2,200	SL201A222JAA
2,700	SL301A272JAA
3,300	SL301A332JAA
3,900	SL301A392JAA
4,700	SL301A472JAA
5,600	SL301A562JAA
6,800	SL301A682JAA
8,200	SL301A822JAA
.01μF	SL401A103JAA
.012	SL401A123JAA
.015	SL401A153JAA
50VDC	
1,000pF	SL105A102JAA
1,000	SL105A102KAA
1,200	SL115A122JAA
1,500	SL115A152JAA
1,800	SL115A182JAA
2,200	SL115A222JAA
2,700	SL115A272JAA
1,800	SL205A182JAA
4,700	SL305A472JAA
8,200	SL305A822JAA
10,000	SL405A103JAA
10,000	SL405A103KAA
12,000	SL405A123JAA

★All preferred values are available as standard through authorized Murata Electronics Distributors.

Note: Distribution Item Only.

X7R	
Cap. Value	Part No.
200VDC	
220pF	SL102C221KAA
270	SL102C271KAA
330	SL102C331KAA
100VDC	
390pF	SL101C391KAA
470	SL101C471KAA
560	SL101C561KAA
680	SL101C681KAA
820	SL101C821KAA
1,000	SL101C102KAA
1,200	SL101C122KAA
1,500	SL101C152KAA
1,800	SL101C182KAA
2,200	SL101C222KAA
2,700	SL101C272KAA
3,300	SL101C332KAA
3,900	SL101C392KAA
4,700	SL101C472KAA
5,600	SL101C562KAA
6,800	SL101C682KAA
8,200	SL101C822KAA
10,000	SL101C103KAA
12,000	SL101C123KAA
15,000	SL201C153KAA
18,000	SL201C183KAA
22,000	SL201C223KAA
27,000	SL201C273KAA
33,000	SL301C333KAA
39,000	SL301C393KAA
47,000	SL301C473KAA
56,000	SL301C563KAA
68,000	SL301C683KAA
82,000	SL301C823KAA
100,000	SL301C104KAA
82,000	SL401C823KAA
100,000	SL401C104MAA
120,000	SL401C124KAA
150,000	SL401C154KAA
50VDC	
8,200pF	SL105C822KAA
10,000	SL105C103KAA
10,000	SL105C103MAA
12,000	SL105C123KAA
15,000	SL105C153KAA
18,000	SL105C183KAA
22,000	SL105C223KAA
27,000	SL105C273KAA
33,000	SL105C333KAA
39,000	SL105C393KAA
47,000	SL105C473KAA
56,000	SL115C563KAA
68,000	SL115C683KAA
82,000	SL115C823KAA
100,000	SL115C104KAA
100,000	SL115C104MAA
56,000	SL205C563KAA
68,000	SL205C683KAA
82,000	SL205C823KAA
100,000	SL205C104KAA
100,000	SL205C104MAA
120,000	SL305C124KAA
150,000	SL305C154KAA
180,000	SL305C184KAA
220,000	SL305C224KAA
270,000	SL305C274KAA
270,000	SL405C274KAA
330,000	SL405C334KAA

Z5U	
Cap. Value	Part No.
100VDC	
.01μF	SL101E103MAA
.01	SL101E103ZAA
.015	SL101E153MAA
.022	SL101E223MAA
.033	SL201E333MAA
.047	SL201E473MAA
.068	SL301E683MAA
.10	SL301E104MAA
.10	SL301E104ZAA
.15	SL301E154MAA
.18	SL401A184MAA
.22	SL401E224MAA
.22	SL401E224ZAA
50VDC	
.01μF	SL105E103MAA
.01	SL105E103ZAA
.015	SL105E153MAA
.022	SL105E223MAA
.033	SL105E333MAA
.047	SL105E473MAA
.047	SL105E473ZAA
.068	SL105E683MAA
.10	SL105E104MAA
.15	SL105E154MAA
.22	SL105E224MAA
.22	SL105E224ZAA
.10	SL105E104ZAA
.33	SL115E334MAA
.33	SL115E334ZAA
.33	SL305E334MAA
.33	SL305E334ZAA
.47	SL305E474MAA
.47	SL305E474ZAA
.68	SL405E684MAA
.82	SL405E824MAA
1.0	SL405E105MAA
1.0	SL405E105ZAA