

# AMERICAN CAPACITOR CORPORATION

POLYSTYRENE AND FOIL CAPACITORS

ENGINEERING DATA SHEET

SERIES

# S

## ENVIRONMENTAL DATA

### APPLICATIONS

Series S Polystyrene capacitors have superior electrical properties. They are dry-section, non-polar, non-inductive wound capacitors with low Dissipation Factor, low Dielectric Absorption, high Insulation Resistance and a low Temperature Coefficient.

Series S Capacitors come in several styles: Oval Wrap & Fill (SW Style); Round Wrap & Fill (SR Style); Axial Epoxy Case (SE Style); Radial Epoxy Case (SF Style); Rectangular Hermetically Sealed (SG Style); Round Hermetically Sealed (SL Style). They are available in several sizes including Regular (3 Size code) and Miniature (2 Size code) as well as custom sizes to meet specific customer requirements.

Contact our Engineering Department for special sizes, configurations, capacitance values and AC applications with Anti-Corona construction at all frequencies. Custom metal enclosures are available. Custom designed Feed Through capacitors (SQ Style) are also available for filter applications to specific requirements.

### OPERATING TEMPERATURE RANGE

Range: -55°C to +85°C with voltage derating, 100% of listed voltage rating from -55°C to +65°C, derate linearly to 60% of the listed voltage rating at +85°C.

### LIFE TEST

Series S capacitors shall be capable of withstanding a test of 250 hours at 85°C and 140% of the DC derated voltage. The voltage shall be applied to each capacitor through its individual current-limiting resistor as determined from the formula  $R = 0.025/C$ , where C is the nominal capacitance in farads and R is in ohms. The test procedures shall be in accordance with MIL-C-19978, except as noted herein. Not more than one failure in twelve shall be permitted. Any one of the following shall be considered a failure.

- A change in capacitance of more than 6% from its initial value.
- An increase in Dissipation Factor to a value greater than the initial acceptance limit.
- A decrease in Insulation Resistance to a value less than 60% of the acceptance limit for 25°C.
- A permanent short or open.

### VIBRATION

Series S capacitors shall be capable of withstanding a vibration test in accordance with MIL-STD-202, Method 201. The following details and exceptions shall apply:

a. **Mounting.** The capacitor body shall be rigidly mounted by the entire body length to the vibration test fixture. The leads shall be soldered to rigidly supported terminals and so spaced that the length of each lead from the capacitor is  $1/2 \pm 1/8$  inch from the edge of the supporting terminal.

b. **Measurement during Vibration.** During the last cycle in each direction, an electrical measurement shall be made to detect intermittent contacts or open or short circuiting.

c. **Examination After Vibration.** Capacitors shall be visibly examined for evidence of mechanical damage.

### MOISTURE RESISTANCE

Series S capacitor Styles SG and SL (hermetically sealed in metal containers) shall be capable of withstanding the moisture resistance, humidity, and temperature and immersion cycling or MIL-C-19978. Styles SE and SF (epoxy encased) and Style SW (wrap & fill) capacitors are not intended for exposure to high humidity conditions over extended periods of time.

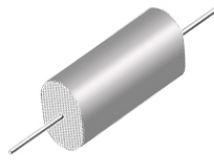
### TERMINAL STRENGTH

Series S capacitors utilize tin-plated, copper-clad steel wire terminals which shall be capable of withstanding the following test without mechanical damage to the capacitor or terminals:

a. **Pull Test.** The capacitor shall withstand a steady pull of 5 pounds axially to the leads for 1 minute.

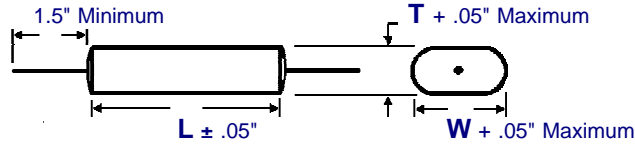
b. **Bend Test.** The wire lead terminals shall be bent at a point of 1/4 inch from the body of the capacitor, first 90 degrees in one direction, then back to the original position, and then 90 degrees in the opposite direction.

# POLYSTYRENE AND FOIL WRAP AND FILL, OVAL AXIAL LEAD CAPACITORS



**SW3**  
POLYSTYRENE & FOIL WRAP & FILL, OVAL REGULAR SERIES

**DIMENSIONS** See tables for specific T, W, L values.



**WIRE SIZE** (Length 1.5" Minimum)

BODY LENGTH (L)	WIRE SIZE	
	AWG No.	Diameter
≤ 0.71"	24	0.020"
> 0.71" ≤ 1.25"	22	0.025"
> 1.25"	20	0.032"

## ORDERING DESCRIPTION

Capacitor, fixed: Polystyrene dielectric; extended foil construction; tin-plated copper-clad steel wire axial leads; encased in skin-tight plastic wrap with epoxy end fill.

## APPLICATION NOTES

Wrap & Fill capacitors are not intended for exposure to high humidity conditions over extended periods of time. For stringent environmental conditions, Wrap & Fill capacitors should be used in encapsulated or hermetically sealed circuitry.

**SELECTION AND ORDERING TABLES** Select voltage rating, capacitance and tolerance, read Part Number to the right.

MFD	50VDC 40VAC				100VDC 70VAC				200VDC 120VAC				400VDC 160VAC			
	T	W	L	PART #	T	W	L	PART #	T	W	L	PART #	T	W	L	PART #
RATING	+ .05"	+ .05"	± .05"		+ .05"	+ .05"	± .05"		+ .05"	+ .05"	± .05"		+ .05"	+ .05"	± .05"	
.001	.12	.20	.58	SW3C102K	.12	.20	.58	SW3D102K	.12	.20	.58	SW3E102K	.12	.20	.58	SW3G102K
.0012	.12	.20	.58	SW3C122K	.12	.20	.58	SW3D122K	.12	.20	.58	SW3E122K	.12	.20	.58	SW3G122K
.0015	.12	.20	.58	SW3C152K	.12	.20	.58	SW3D152K	.12	.20	.58	SW3E152K	.12	.20	.58	SW3G152K
.0018	.12	.20	.58	SW3C182K	.12	.20	.58	SW3D182K	.12	.20	.58	SW3E182K	.13	.21	.58	SW3G182K
.0022	.12	.20	.58	SW3C222K	.12	.20	.58	SW3D222K	.12	.20	.58	SW3E222K	.14	.23	.58	SW3G222K
.0027	.12	.20	.58	SW3C272K	.12	.20	.58	SW3D272K	.12	.20	.58	SW3E272K	.16	.24	.58	SW3G272K
.0033	.12	.20	.58	SW3C332K	.12	.20	.58	SW3D332K	.14	.23	.58	SW3E332K	.13	.24	.71	SW3G332K
.0039	.12	.20	.58	SW3C392K	.12	.20	.58	SW3D392K	.16	.22	.58	SW3E392K	.14	.25	.71	SW3G392K
.0047	.12	.20	.58	SW3C472K	.12	.20	.58	SW3D472K	.18	.27	.58	SW3E472K	.16	.27	.71	SW3G472K
.0056	.12	.20	.58	SW3C562K	.12	.20	.58	SW3D562K	.19	.29	.58	SW3E562K	.18	.29	.71	SW3G562K
.0068	.12	.20	.58	SW3C682K	.13	.21	.58	SW3D682K	.14	.25	.71	SW3E682K	.20	.32	.71	SW3G682K
.0082	.12	.20	.58	SW3C822K	.17	.25	.58	SW3D822K	.16	.27	.71	SW3E822K	.22	.35	.71	SW3G822K
.01	.12	.21	.58	SW3C103K	.18	.27	.58	SW3D103K	.19	.29	.71	SW3E103K	.25	.38	.71	SW3G103K
.012	.15	.23	.58	SW3C123K	.15	.24	.71	SW3D123K	.21	.32	.71	SW3E123K	.22	.35	.84	SW3G123K
.015	.17	.25	.58	SW3C153K	.16	.29	.71	SW3D153K	.23	.35	.71	SW3E153K	.25	.36	.84	SW3G153K
.018	.18	.27	.58	SW3C183K	.19	.32	.71	SW3D183K	.21	.34	.84	SW3E183K	.23	.37	.98	SW3G183K
.022	.15	.28	.71	SW3C223K	.20	.34	.71	SW3D223K	.23	.37	.84	SW3E223K	.26	.39	.98	SW3G223K
.027	.16	.29	.71	SW3C273K	.23	.36	.71	SW3D273K	.23	.35	.98	SW3E273K	.29	.43	.98	SW3G273K
.033	.19	.32	.71	SW3C333K	.25	.38	.71	SW3D333K	.25	.38	.98	SW3E333K	.33	.46	.98	SW3G333K
.039	.16	.28	.84	SW3C393K	.22	.34	.84	SW3D393K	.27	.40	.98	SW3E393K	.29	.43	1.25	SW3G393K
.047	.17	.30	.84	SW3C473K	.24	.35	.84	SW3D473K	.32	.45	.98	SW3E473K	.32	.46	1.25	SW3G473K
.056	.19	.31	.84	SW3C563K	.24	.34	.98	SW3D563K	.34	.49	.98	SW3E563K	.35	.49	1.25	SW3G563K
.068	.22	.34	.84	SW3C683K	.25	.38	.98	SW3D683K	.30	.44	1.25	SW3E683K	.39	.53	1.25	SW3G683K
.082	.24	.35	.84	SW3C823K	.28	.40	.98	SW3D823K	.34	.47	1.25	SW3E823K	.44	.57	1.25	SW3G823K
.10	.27	.36	.84	SW3C104K	.31	.43	.98	SW3D104K	.37	.50	1.25	SW3E104K	.43	.53	1.50	SW3G104K
.12	.30	.39	.84	SW3C124K	.29	.42	1.25	SW3D124K	.41	.54	1.25	SW3E124K	.48	.58	1.50	SW3G124K
.15	.34	.46	.84	SW3C154K	.33	.44	1.25	SW3D154K	.47	.59	1.25	SW3E154K	.46	.58	1.75	SW3G154K
.18	.35	.47	.98	SW3C184K	.36	.47	1.25	SW3D184K	.45	.58	1.50	SW3E184K	.49	.63	1.75	SW3G184K
.22	.37	.54	.98	SW3C224K	.40	.51	1.25	SW3D224K	.50	.64	1.50	SW3E224K	.56	.65	1.75	SW3G224K
.27	.42	.58	.98	SW3C274K	.46	.59	1.25	SW3D274K	.48	.59	1.75	SW3E274K	.63	.76	1.75	SW3G274K
.33	.46	.61	.98	SW3C334K	.51	.64	1.25	SW3D334K	.52	.64	1.75	SW3E334K	.66	.79	1.75	SW3G334K
.39	.38	.55	1.25	SW3C394K	.47	.59	1.50	SW3D394K	.57	.70	1.75	SW3E394K	.71	.85	1.75	SW3G394K
.47	.43	.58	1.25	SW3C474K	.44	.57	1.75	SW3D474K	.64	.76	1.75	SW3E474K				
.56	.47	.60	1.75	SW3C564K	.47	.60	1.75	SW3D564K	.68	.82	1.75	SW3E564K				
.68	.56	.69	1.75	SW3C684K	.56	.69	1.75	SW3D684K	.76	.88	1.75	SW3E684K				
.82	.62	.72	1.75	SW3C824K	.62	.72	1.75	SW3D824K								
1.0	.70	.81	1.75	SW3C105K	.70	.81	1.75	SW3D105K								
1.5	.70	.85	2.00	SW3C155K	.70	.85	2.00	SW3D155K								

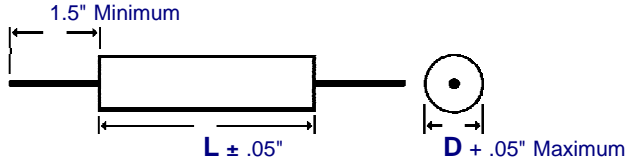
Note: Replace the last digit **K** with the desired tolerance code from the tolerance table. For an in-between value use the next larger value's dimensions. Custom sizes are readily available. All dimensions are in inches. All +.05" dimension tolerances are Maximum.

# POLYSTYRENE AND FOIL WRAP AND FILL, ROUND AXIAL LEAD CAPACITORS



**SR3**  
POLYSTYRENE & FOIL  
WRAP & FILL, ROUND  
REGULAR SERIES

**DIMENSIONS** See tables for specific D, L values.



**WIRE SIZE** (Length 1.5" Minimum)

BODY LENGTH (L)	WIRE SIZE	
	AWG No.	Diameter
≤ 0.71"	24	0.020"
> 0.71" ≤ 1.25"	22	0.025"
> 1.25"	20	0.032"

## ORDERING DESCRIPTION

Capacitor, fixed: Polystyrene dielectric; extended foil construction; tin-plated copper-clad steel wire axial leads; encased in skin-tight plastic wrap with epoxy end fill.

## APPLICATION NOTES

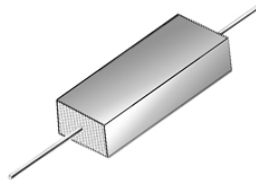
Wrap & Fill capacitors are not intended for exposure to high humidity conditions over extended periods of time. For stringent environmental conditions, Wrap & Fill capacitors should be used in encapsulated or hermetically sealed circuitry.

**SELECTION AND ORDERING TABLES** Select voltage rating, capacitance and tolerance, read Part Number to the right.

MFD	50VDC 40VAC			100VDC 70VAC			200VDC 120VAC			400VDC 160VAC		
	D	L	PART #	D	L	PART #	D	L	PART #	D	L	PART #
	+ .05"	± .05"		+ .05"	± .05"		+ .05"	± .05"		+ .05"	± .05"	
.001	.15	.58	SR3C102K	.15	.58	SR3D102K	.15	.58	SR3E102K	.15	.58	SR3G102K
.0012	.15	.58	SR3C122K	.15	.58	SR3D122K	.15	.58	SR3E122K	.15	.58	SR3G122K
.0015	.15	.58	SR3C152K	.15	.58	SR3D152K	.15	.58	SR3E152K	.15	.58	SR3G152K
.0018	.15	.58	SR3C182K	.15	.58	SR3D182K	.15	.58	SR3E182K	.17	.58	SR3G182K
.0022	.15	.58	SR3C222K	.15	.58	SR3D222K	.16	.58	SR3E222K	.19	.58	SR3G222K
.0027	.15	.58	SR3C272K	.15	.58	SR3D272K	.17	.58	SR3E272K	.21	.58	SR3G272K
.0033	.15	.58	SR3C332K	.15	.58	SR3D332K	.18	.58	SR3E332K	.19	.71	SR3G332K
.0039	.15	.58	SR3C392K	.15	.58	SR3D392K	.19	.58	SR3E392K	.20	.71	SR3G392K
.0047	.15	.58	SR3C472K	.16	.58	SR3D472K	.21	.58	SR3E472K	.22	.71	SR3G472K
.0056	.16	.58	SR3C562K	.17	.58	SR3D562K	.23	.58	SR3E562K	.24	.71	SR3G562K
.0068	.17	.58	SR3C682K	.19	.58	SR3D682K	.20	.71	SR3E682K	.26	.71	SR3G682K
.0082	.18	.58	SR3C822K	.20	.58	SR3D822K	.22	.71	SR3E822K	.28	.71	SR3G822K
.01	.19	.58	SR3C103K	.22	.58	SR3D103K	.24	.71	SR3E103K	.30	.71	SR3G103K
.012	.21	.58	SR3C123K	.20	.71	SR3D123K	.26	.71	SR3E123K	.30	.84	SR3G123K
.015	.23	.58	SR3C153K	.22	.71	SR3D153K	.29	.71	SR3E153K	.33	.84	SR3G153K
.018	.25	.58	SR3C183K	.24	.71	SR3D183K	.28	.84	SR3E183K	.33	.98	SR3G183K
.022	.22	.71	SR3C223K	.26	.71	SR3D223K	.30	.84	SR3E223K	.35	.98	SR3G223K
.027	.24	.71	SR3C273K	.28	.71	SR3D273K	.30	.98	SR3E273K	.38	.98	SR3G273K
.033	.26	.71	SR3C333K	.31	.71	SR3D333K	.32	.98	SR3E333K	.41	.98	SR3G333K
.039	.25	.84	SR3C393K	.30	.84	SR3D393K	.36	.98	SR3E393K	.39	1.25	SR3G393K
.047	.27	.84	SR3C473K	.32	.84	SR3D473K	.39	.98	SR3E473K	.42	1.25	SR3G473K
.056	.29	.84	SR3C563K	.31	.98	SR3D563K	.42	.98	SR3E563K	.45	1.25	SR3G563K
.068	.32	.84	SR3C683K	.34	.98	SR3D683K	.40	1.25	SR3E683K	.49	1.25	SR3G683K
.082	.35	.84	SR3C823K	.37	.98	SR3D823K	.43	1.25	SR3E823K	.54	1.25	SR3G823K
.10	.38	.84	SR3C104K	.40	.98	SR3D104K	.47	1.25	SR3E104K	.52	1.50	SR3G104K
.12	.42	.84	SR3C124K	.38	1.25	SR3D124K	.51	1.25	SR3E124K	.56	1.50	SR3G124K
.15	.47	.84	SR3C154K	.42	1.25	SR3D154K	.56	1.25	SR3E154K	.56	1.75	SR3G154K
.18	.45	.98	SR3C184K	.45	1.25	SR3D184K	.54	1.50	SR3E184K	.61	1.75	SR3G184K
.22	.49	.98	SR3C224K	.49	1.25	SR3D224K	.59	1.50	SR3E224K	.67	1.75	SR3G224K
.27	.54	.98	SR3C274K	.54	1.25	SR3D274K	.59	1.75	SR3E274K	.74	1.75	SR3G274K
.33	.59	.98	SR3C334K	.59	1.25	SR3D334K	.64	1.75	SR3E334K	.74	1.75	SR3G334K
.39	.53	1.25	SR3C394K	.53	1.50	SR3D394K	.69	1.75	SR3E394K	.81	1.75	SR3G394K
.47	.56	1.25	SR3C474K	.53	1.75	SR3D474K	.76	1.75	SR3E474K			
.56	.49	1.75	SR3C564K	.57	1.75	SR3D564K	.83	1.75	SR3E564K			
.68	.54	1.75	SR3C684K	.62	1.75	SR3D684K	.90	1.75	SR3E684K			
.82	.58	1.75	SR3C824K	.68	1.75	SR3D824K						
1.0	.64	1.75	SR3C105K	.74	1.75	SR3D105K						
1.5	.71	2.00	SR3C155K	.83	2.00	SR3D155K						

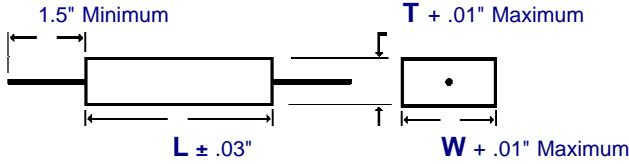
Note: Replace the last digit **K** with the desired tolerance code from the tolerance table. For an in-between value use the next larger value's dimensions. Custom sizes are readily available. All dimensions are in inches. All +.05" dimension tolerances are Maximum.

# POLYSTYRENE AND FOIL EPOXY CASE, AXIAL LEAD, RECTANGULAR CAPACITORS



**SE3**  
POLYSTYRENE & FOIL  
EPOXY CASE, AXIAL, RECT.  
REGULAR SERIES

**DIMENSIONS** See tables for specific T, W, L values.



**WIRE SIZE** (Length 1.5" Minimum)

BODY LENGTH (L)	WIRE SIZE	
	AWG No.	Diameter
≤ 0.67"	24	0.020"
> 0.67" ≤ 1.06"	22	0.025"
> 1.06"	20	0.032"

## ORDERING DESCRIPTION

Capacitor, fixed: Polystyrene dielectric; extended foil construction; tin-plated copper-clad steel wire axial leads; encased in a molded epoxy/plastic shell with epoxy fill.

## APPLICATION NOTES

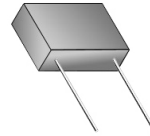
Epoxy Case capacitors are not intended for exposure to high humidity conditions over extended periods of time. For stringent environmental conditions, Epoxy Case capacitors should be used in encapsulated or hermetically sealed circuitry.

**SELECTION AND ORDERING TABLES** Select voltage rating, capacitance and tolerance, read Part Number to the right.

MFD	50VDC 40VAC				100VDC 70VAC				200VDC 120VAC				400VDC 160VAC			
	T	W	L	PART #	T	W	L	PART #	T	W	L	PART #	T	W	L	PART #
RATING	+ .01"	+ .01"	± .03"		+ .01"	+ .01"	± .03"		+ .01"	+ .01"	± .03"		+ .01"	+ .01"	± .03"	
.001	.16	.24	.67	SE3C102K	.16	.24	.67	SE3D102K	.16	.24	.67	SE3E102K	.16	.24	.67	SE3G102K
.0012	.16	.24	.67	SE3C122K	.16	.24	.67	SE3D122K	.16	.24	.67	SE3E122K	.16	.24	.67	SE3G122K
.0015	.16	.24	.67	SE3C152K	.16	.24	.67	SE3D152K	.16	.24	.67	SE3E152K	.16	.24	.67	SE3G152K
.0018	.17	.29	.67	SE3C182K	.17	.29	.67	SE3D182K	.17	.29	.67	SE3E182K	.17	.29	.67	SE3G182K
.0022	.17	.29	.67	SE3C222K	.17	.29	.67	SE3D222K	.17	.29	.67	SE3E222K	.23	.36	.67	SE3G222K
.0027	.17	.29	.67	SE3C272K	.17	.29	.67	SE3D272K	.17	.29	.67	SE3E272K	.23	.36	.75	SE3G272K
.0033	.17	.29	.67	SE3C332K	.17	.29	.67	SE3D332K	.17	.29	.67	SE3E332K	.23	.36	.75	SE3G332K
.0039	.17	.29	.67	SE3C392K	.17	.29	.67	SE3D392K	.23	.36	.67	SE3E392K	.23	.36	.75	SE3G392K
.0047	.17	.29	.67	SE3C472K	.17	.29	.67	SE3D472K	.23	.36	.67	SE3E472K	.23	.36	.75	SE3G472K
.0056	.17	.29	.67	SE3C562K	.17	.29	.67	SE3D562K	.23	.36	.75	SE3E562K	.23	.36	.75	SE3G562K
.0068	.17	.29	.67	SE3C682K	.23	.36	.67	SE3D682K	.23	.36	.75	SE3E682K	.29	.42	.75	SE3G682K
.0082	.17	.29	.67	SE3C822K	.23	.36	.67	SE3D822K	.23	.36	.75	SE3E822K	.29	.42	.75	SE3G822K
.01	.17	.29	.67	SE3C103K	.23	.36	.67	SE3D103K	.23	.36	.75	SE3E103K	.29	.42	.75	SE3G103K
.012	.23	.36	.67	SE3C123K	.23	.36	.75	SE3D123K	.29	.42	.75	SE3E123K	.29	.42	.75	SE3G123K
.015	.23	.36	.67	SE3C153K	.23	.36	.75	SE3D153K	.29	.42	.75	SE3E153K	.29	.42	.82	SE3G153K
.018	.23	.36	.67	SE3C183K	.23	.36	.75	SE3D183K	.29	.42	.75	SE3E183K	.29	.42	.82	SE3G183K
.022	.23	.36	.75	SE3C223K	.23	.36	.75	SE3D223K	.29	.42	.82	SE3E223K	.29	.42	1.06	SE3G223K
.027	.23	.36	.75	SE3C273K	.29	.42	.75	SE3D273K	.29	.42	.82	SE3E273K	.39	.54	1.04	SE3G273K
.033	.23	.36	.75	SE3C333K	.29	.42	.75	SE3D333K	.29	.42	1.06	SE3E333K	.39	.54	1.04	SE3G333K
.039	.23	.36	.75	SE3C393K	.29	.42	.82	SE3D393K	.39	.54	1.04	SE3E393K	.39	.54	1.04	SE3G393K
.047	.29	.42	.75	SE3C473K	.29	.42	.82	SE3D473K	.39	.54	1.04	SE3E473K	.39	.54	1.24	SE3G473K
.056	.29	.42	.75	SE3C563K	.29	.42	1.06	SE3D563K	.39	.54	1.04	SE3E563K	.39	.54	1.24	SE3G563K
.068	.29	.42	.82	SE3C683K	.29	.42	1.06	SE3D683K	.39	.54	1.24	SE3E683K	.56	.72	1.24	SE3G683K
.082	.29	.42	.82	SE3C823K	.39	.54	1.04	SE3D823K	.39	.54	1.24	SE3E823K	.56	.72	1.24	SE3G823K
.10	.29	.42	1.06	SE3C104K	.39	.54	1.04	SE3D104K	.39	.54	1.24	SE3E104K	.56	.72	1.24	SE3G104K
.12	.29	.42	1.06	SE3C124K	.39	.54	1.04	SE3D124K	.56	.72	1.24	SE3E124K	.56	.72	1.24	SE3G124K
.15	.39	.54	1.04	SE3C154K	.39	.54	1.24	SE3D154K	.56	.72	1.24	SE3E154K	.56	.72	1.45	SE3G154K
.18	.39	.54	1.04	SE3C184K	.39	.54	1.24	SE3D184K	.56	.72	1.24	SE3E184K	.56	.72	1.75	SE3G184K
.22	.39	.54	1.24	SE3C224K	.56	.72	1.24	SE3D224K	.56	.72	1.45	SE3E224K				
.27	.39	.54	1.24	SE3C274K	.56	.72	1.24	SE3D274K	.56	.72	1.95	SE3E274K				
.33	.39	.54	1.24	SE3C334K	.56	.72	1.24	SE3D334K	.56	.72	1.95	SE3E334K				
.39	.56	.72	1.06	SE3C394K	.56	.72	1.45	SE3D394K	.56	.72	1.95	SE3E394K				
.47	.56	.72	1.24	SE3C474K	.56	.72	1.45	SE3D474K	.56	.72	1.95	SE3E474K				
.56	.56	.72	1.24	SE3C564K	.56	.72	1.75	SE3D564K								
.68	.56	.72	1.24	SE3C684K	.56	.72	1.75	SE3D684K								
.82	.56	.72	1.45	SE3C824K	.56	.72	1.95	SE3D824K								
1.0	.56	.72	1.75	SE3C105K	.56	.72	1.95	SE3D105K								

Note: Replace the last digit **K** with the desired tolerance code from the tolerance table. For an in-between value use the next larger value's dimensions. Custom sizes are readily available. All dimensions are in inches. All +.05" dimension tolerances are Maximum.

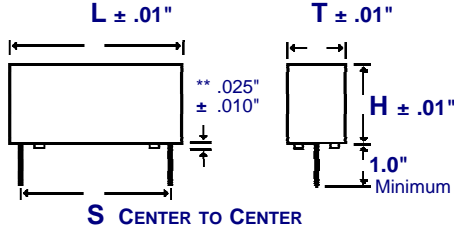
# POLYSTYRENE AND FOIL EPOXY CASE, RADIAL LEAD, RECTANGULAR CAPACITORS



## SF3

POLYSTYRENE & FOIL  
EPOXY CASE, RADIAL, RECT.  
REGULAR SERIES

**DIMENSIONS** See tables for specific T, H, L, S values.



\*\* The mounting pads consist of two individual pads on each end or one continuous pad on each end, depending on the mold. (Not an option).

**WIRE SIZE** (Length 1.0" Minimum)

BODY LENGTH (L)	LEAD SPACING (S) (C to C ± .01")	WIRE SIZE	
		AWG No.	Diameter
.42"	.300"	22	0.025"
.55"	.400"	22	0.025"
.67"	.500"	22	0.025"
.82"	.600"	22	0.025"
1.04"	.800"	22	0.025"
1.24"	1.100"	20	0.032"
1.75"	1.600"	20	0.032"

### ORDERING DESCRIPTION

Capacitor, fixed: Polystyrene dielectric; extended foil construction; tin-plated copper-clad steel wire radial leads; encased in a molded epoxy/plastic shell with epoxy fill.

### APPLICATION NOTES

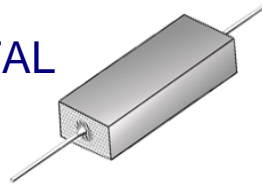
Epoxy Case capacitors are not intended for exposure to high humidity conditions over extended periods of time. For stringent environmental conditions, Epoxy Case capacitors should be used in encapsulated or hermetically sealed circuitry.

**SELECTION AND ORDERING TABLES** Select voltage rating, capacitance and tolerance, read Part Number to the right.

MFD	50VDC 40VAC				100VDC 70VAC				200VDC 120VAC				400VDC 160VAC			
	T	H	L	PART #	T	H	L	PART #	T	H	L	PART #	T	H	L	PART #
.001	.18	.30	.55	SF3C102K	.18	.30	.55	SF3D102K	.18	.30	.55	SF3E102K	.18	.30	.55	SF3G102K
.0012	.18	.30	.55	SF3C122K	.18	.30	.55	SF3D122K	.18	.30	.55	SF3E122K	.18	.30	.55	SF3G122K
.0015	.18	.30	.55	SF3C152K	.18	.30	.55	SF3D152K	.18	.30	.55	SF3E152K	.18	.30	.55	SF3G152K
.0018	.24	.37	.55	SF3C182K	.24	.37	.55	SF3D182K	.24	.37	.55	SF3E182K	.24	.37	.55	SF3G182K
.0022	.24	.37	.55	SF3C222K	.24	.37	.55	SF3D222K	.24	.37	.55	SF3E222K	.24	.37	.55	SF3G222K
.0027	.24	.37	.55	SF3C272K	.24	.37	.55	SF3D272K	.24	.37	.55	SF3E272K	.30	.43	.55	SF3G272K
.0033	.24	.37	.55	SF3C332K	.24	.37	.55	SF3D332K	.24	.37	.55	SF3E332K	.30	.43	.55	SF3G332K
.0039	.24	.37	.55	SF3C392K	.24	.37	.55	SF3D392K	.24	.37	.55	SF3E392K	.30	.43	.55	SF3G392K
.0047	.24	.37	.55	SF3C472K	.24	.37	.55	SF3D472K	.30	.43	.55	SF3E472K	.30	.43	.67	SF3G472K
.0056	.24	.37	.55	SF3C562K	.24	.37	.55	SF3D562K	.30	.43	.55	SF3E562K	.30	.43	.67	SF3G562K
.0068	.24	.37	.55	SF3C682K	.24	.37	.55	SF3D682K	.30	.43	.55	SF3E682K	.30	.43	.67	SF3G682K
.0082	.24	.37	.55	SF3C822K	.30	.43	.55	SF3D822K	.30	.43	.67	SF3E822K	.30	.43	.82	SF3G822K
.01	.24	.37	.55	SF3C103K	.30	.43	.55	SF3D103K	.30	.43	.67	SF3E103K	.30	.43	.82	SF3G103K
.012	.24	.37	.55	SF3C123K	.30	.43	.55	SF3D123K	.30	.43	.67	SF3E123K	.30	.43	.82	SF3G123K
.015	.30	.43	.55	SF3C153K	.30	.43	.67	SF3D153K	.30	.43	.82	SF3E153K	.40	.55	.82	SF3G153K
.018	.30	.43	.55	SF3C183K	.30	.43	.67	SF3D183K	.30	.43	.82	SF3E183K	.40	.55	.82	SF3G183K
.022	.30	.43	.55	SF3C223K	.30	.43	.67	SF3D223K	.30	.43	.82	SF3E223K	.40	.55	.82	SF3G223K
.027	.30	.43	.67	SF3C273K	.30	.43	.82	SF3D273K	.40	.55	.82	SF3E273K	.40	.55	1.04	SF3G273K
.033	.30	.43	.67	SF3C333K	.30	.43	.82	SF3D333K	.40	.55	.82	SF3E333K	.40	.55	1.04	SF3G333K
.039	.30	.43	.67	SF3C393K	.30	.43	.82	SF3D393K	.40	.55	.82	SF3E393K	.40	.55	1.24	SF3G393K
.047	.30	.43	.67	SF3C473K	.40	.55	.82	SF3D473K	.40	.55	1.04	SF3E473K	.40	.55	1.24	SF3G473K
.056	.30	.43	.82	SF3C563K	.40	.55	.82	SF3D563K	.40	.55	1.24	SF3E563K	.57	.73	1.24	SF3G563K
.068	.30	.43	.82	SF3C683K	.40	.55	.82	SF3D683K	.40	.55	1.24	SF3E683K	.57	.73	1.24	SF3G683K
.082	.40	.55	.82	SF3C823K	.40	.55	1.04	SF3D823K	.40	.55	1.24	SF3E823K	.57	.73	1.24	SF3G823K
.10	.40	.55	.82	SF3C104K	.40	.55	1.04	SF3D104K	.57	.73	1.24	SF3E104K	.57	.73	1.75	SF3G104K
.12	.40	.55	.82	SF3C124K	.40	.55	1.24	SF3D124K	.57	.73	1.24	SF3E124K	.57	.73	1.75	SF3G124K
.15	.40	.55	1.04	SF3C154K	.40	.55	1.24	SF3D154K	.57	.73	1.24	SF3E154K	.57	.73	1.75	SF3G154K
.18	.40	.55	1.24	SF3C184K	.57	.73	1.24	SF3D184K	.57	.73	1.75	SF3E184K	.75	.99	1.95	SF3G184K
.22	.40	.55	1.24	SF3C224K	.57	.73	1.24	SF3D224K	.57	.73	1.75	SF3E224K	.75	.99	1.95	SF3G224K
.27	.40	.55	1.24	SF3C274K	.57	.73	1.24	SF3D274K	.57	.73	1.75	SF3E274K	.75	.99	1.95	SF3G274K
.33	.57	.73	1.24	SF3C334K	.57	.73	1.75	SF3D334K	.75	.99	1.95	SF3E334K	.75	.99	1.95	SF3G334K
.39	.57	.73	1.24	SF3C394K	.57	.73	1.75	SF3D394K	.75	.99	1.95	SF3E394K	.75	1.09	1.95	SF3G394K
.47	.57	.73	1.24	SF3C474K	.57	.73	1.75	SF3D474K	.75	.99	1.95	SF3E474K	.75	1.09	1.95	SF3G474K
.56	.57	.73	1.24	SF3C564K	.75	.99	1.95	SF3D564K	.75	1.09	1.95	SF3E564K	.75	1.09	1.95	SF3G564K
.68	.57	.73	1.75	SF3C684K	.75	.99	1.95	SF3D684K	.75	1.09	1.95	SF3E684K	.75	1.09	1.95	SF3G684K
.82	.57	.73	1.75	SF3C824K	.75	.99	1.95	SF3D824K	.75	1.09	1.95	SF3E824K	.75	1.09	1.95	SF3G824K
1.0	.75	.99	1.95	SF3C105K	.75	1.09	1.95	SF3D105K								
1.5	.75	.99	1.95	SF3C155K												
2.0	.75	1.09	1.95	SF3C205K												

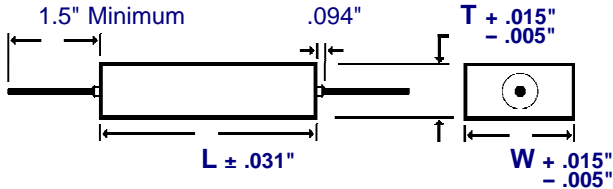
Note: Replace the last digit **K** with the desired tolerance code from the tolerance table. For an in-between value use the next larger value's dimensions. Custom sizes are readily available. All dimensions are in inches. All +.05" dimension tolerances are Maximum.

# POLYSTYRENE AND FOIL HERMETICALLY SEALED, METAL CASED, RECTANGULAR CAPACITORS



**SG3**  
POLYSTYRENE & FOIL  
HERMETIC SEAL, RECT.  
REGULAR SERIES

**DIMENSIONS** See tables for specific T, W, L values.



**WIRE SIZE** (Length 1.5" Minimum)

BODY SIZE (T) x (W)	WIRE SIZE	
	AWG No.	Diameter
.22" x .34"	24	0.020"
.31" x .41"	22	0.025"
.40" x .57" & Larger	20	0.032"

## ORDERING DESCRIPTION

Capacitor, fixed: Polystyrene dielectric; extended foil construction; tin-plated copper-clad steel wire axial leads; encased in a hermetically sealed rectangular tin plated brass tube with soldered glass to metal end seals.

## APPLICATION NOTES

Metal encased capacitors are hermetically sealed and meet the moisture resistance, temperature and immersion cycling requirements of MIL-C-18312.

**SELECTION AND ORDERING TABLES** Select voltage rating, capacitance and tolerance, read Part Number to the right.

MFD	50VDC 40VAC				100VDC 70VAC				200VDC 120VAC				400VDC 160VAC				
	RATING	T	W	L	PART #	T	W	L	PART #	T	W	L	PART #	T	W	L	PART #
	+ .015" - .005"	+ .015" - .005"	± .031"		+ .015" - .005"	+ .015" - .005"	± .031"		+ .015" - .005"	+ .015" - .005"	± .031"		+ .015" - .005"	+ .015" - .005"	± .031"		
.001	.22	.34	.813	SG3C102K	.22	.34	.813	SG3D102K	.22	.34	.813	SG3E102K	.22	.34	.813	SG3G102K	
.0012	.22	.34	.813	SG3C122K	.22	.34	.813	SG3D122K	.22	.34	.813	SG3E122K	.22	.34	.813	SG3G122K	
.0015	.22	.34	.813	SG3C152K	.22	.34	.813	SG3D152K	.22	.34	.813	SG3E152K	.22	.34	.813	SG3G152K	
.0018	.22	.34	.813	SG3C182K	.22	.34	.813	SG3D182K	.22	.34	.813	SG3E182K	.22	.34	.813	SG3G182K	
.0022	.22	.34	.813	SG3C222K	.22	.34	.813	SG3D222K	.22	.34	.813	SG3E222K	.22	.34	.813	SG3G222K	
.0027	.22	.34	.813	SG3C272K	.22	.34	.813	SG3D272K	.22	.34	.813	SG3E272K	.22	.34	.813	SG3G272K	
.0033	.22	.34	.813	SG3C332K	.22	.34	.813	SG3D332K	.22	.34	.813	SG3E332K	.22	.34	.813	SG3G332K	
.0039	.22	.34	.813	SG3C392K	.22	.34	.813	SG3D392K	.22	.34	.813	SG3E392K	.22	.34	.813	SG3G392K	
.0047	.22	.34	.813	SG3C472K	.22	.34	.813	SG3D472K	.22	.34	.813	SG3E472K	.22	.34	.938	SG3G472K	
.0056	.22	.34	.813	SG3C562K	.22	.34	.813	SG3D562K	.22	.34	.813	SG3E562K	.22	.34	.938	SG3G562K	
.0068	.22	.34	.813	SG3C682K	.22	.34	.813	SG3D682K	.22	.34	.938	SG3E682K	.22	.34	1.125	SG3G682K	
.0082	.22	.34	.813	SG3C822K	.22	.34	.813	SG3D822K	.22	.34	.938	SG3E822K	.31	.41	.938	SG3G822K	
.01	.22	.34	.813	SG3C103K	.22	.34	.813	SG3D103K	.22	.34	1.125	SG3E103K	.31	.41	.938	SG3G103K	
.012	.22	.34	.813	SG3C123K	.22	.34	.813	SG3D123K	.31	.41	.938	SG3E123K	.31	.41	.938	SG3G123K	
.015	.22	.34	.813	SG3C153K	.22	.34	.938	SG3D153K	.31	.41	.938	SG3E153K	.31	.41	1.125	SG3G153K	
.018	.22	.34	.813	SG3C183K	.22	.34	.938	SG3D183K	.31	.41	.938	SG3E183K	.31	.41	1.313	SG3G183K	
.022	.22	.34	.938	SG3C223K	.22	.34	1.125	SG3D223K	.31	.41	1.125	SG3E223K	.31	.41	1.313	SG3G223K	
.027	.22	.34	.938	SG3C273K	.31	.41	.938	SG3D273K	.31	.41	1.313	SG3E273K	.40	.57	1.125	SG3G273K	
.033	.31	.41	1.125	SG3C333K	.31	.41	.938	SG3D333K	.31	.41	1.313	SG3E333K	.40	.57	1.125	SG3G333K	
.039	.31	.41	.938	SG3C393K	.31	.41	.938	SG3D393K	.40	.57	1.125	SG3E393K	.40	.57	1.125	SG3G393K	
.047	.31	.41	.938	SG3C473K	.31	.41	1.125	SG3D473K	.40	.57	1.125	SG3E473K	.40	.57	1.313	SG3G473K	
.056	.31	.41	.938	SG3C563K	.31	.41	1.125	SG3D563K	.40	.57	1.313	SG3E563K	.40	.57	1.563	SG3G563K	
.068	.31	.41	1.125	SG3C683K	.31	.41	1.313	SG3D683K	.40	.57	1.313	SG3E683K	.40	.57	1.563	SG3G683K	
.082	.31	.41	1.125	SG3C823K	.40	.57	1.125	SG3D823K	.40	.57	1.563	SG3E823K	.40	.57	1.813	SG3G823K	
.10	.31	.41	1.313	SG3C104K	.40	.57	1.125	SG3D104K	.40	.57	1.813	SG3E104K	.50	.65	1.563	SG3G104K	
.12	.40	.57	1.125	SG3C124K	.40	.57	1.313	SG3D124K	.50	.65	1.563	SG3E124K	.50	.65	1.813	SG3G124K	
.15	.40	.57	1.125	SG3C154K	.40	.57	1.313	SG3D154K	.50	.65	1.813	SG3E154K	.50	.65	2.063	SG3G154K	
.18	.40	.57	1.125	SG3C184K	.40	.57	1.563	SG3D184K	.50	.65	1.813	SG3E184K	.50	.65	2.313	SG3G184K	
.22	.40	.57	1.313	SG3C224K	.40	.57	1.813	SG3D224K	.50	.65	2.063	SG3E224K	.60	.80	1.813	SG3G224K	
.25	.40	.57	1.563	SG3C254K	.40	.57	1.813	SG3D254K	.60	.80	1.813	SG3E254K	.60	.80	2.063	SG3G254K	
.27	.40	.57	1.563	SG3C274K	.40	.57	1.813	SG3D274K	.60	.80	1.813	SG3E274K	.60	.80	2.063	SG3G274K	
.33	.40	.57	1.813	SG3C334K	.50	.65	1.813	SG3D334K	.60	.80	2.063	SG3E334K					
.39	.50	.65	1.563	SG3C394K	.50	.65	2.313	SG3D394K	.60	.80	2.313	SG3E394K					
.47	.50	.65	1.813	SG3C474K	.60	.80	1.813	SG3D474K									
.50	.50	.65	1.813	SG3C504K	.60	.80	1.813	SG3D504K									
.56	.50	.65	2.563	SG3C564K	.60	.80	2.063	SG3D564K									
.68	.60	.80	1.813	SG3C684K	.60	.80	2.313	SG3D684K									
.75	.60	.80	2.063	SG3C754K	.60	.80	2.313	SG3D754K									
.82	.60	.80	2.313	SG3C824K													

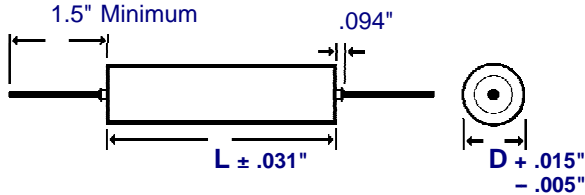
Note: Replace the last digit K with the desired tolerance code from the tolerance table. For an in-between value use the next larger value's dimensions. Custom sizes are readily available. All dimensions are in inches. All +.05" dimension tolerances are Maximum.

# POLYSTYRENE AND FOIL HERMETICALLY SEALED, ROUND, METAL CASED. CAPACITORS



**SL3**  
POLYSTYRENE & FOIL  
HERMETIC SEAL, ROUND  
REGULAR SERIES

**DIMENSIONS** See tables for specific D, L values.



**WIRE SIZE** (Length 1.5" Minimum)

BODY DIAMETER (D)	WIRE SIZE	
	AWG No.	Diameter
.175" & .195"	24	0.020"
.235" & .312"	22	0.025"
.400" & Larger	20	0.032"

## ORDERING DESCRIPTION

Capacitor, fixed: Polystyrene dielectric; extended foil construction; tin-plated copper-clad steel wire axial leads; encased in a hermetically sealed round tin plated brass tube with soldered glass to metal end seals.

## APPLICATION NOTES

Metal encased capacitors are hermetically sealed and meet the moisture resistance, temperature and immersion cycling requirements of MIL-C-18312.

**SELECTION AND ORDERING TABLES** Select voltage rating, capacitance and tolerance, read Part Number to the right.

MFD	50VDC 40VAC			100VDC 70VAC			200VDC 120VAC			400VDC 160VAC		
	RATING	D	L	PART #	D	L	PART #	D	L	PART #	D	L
	+ .015" - .005"	± .031"		+ .015" - .005"	± .031"		+ .015" - .005"	± .031"		+ .015" - .005"	± .031"	
.001	.175	.750	SL3C102K	.175	.750	SL3D102K	.175	.750	SL3E102K	.235	.750	SL3G102K
.0012	.175	.750	SL3C122K	.175	.750	SL3D122K	.175	.750	SL3E122K	.235	.750	SL3G122K
.0015	.175	.750	SL3C152K	.175	.750	SL3D152K	.175	.750	SL3E152K	.235	.750	SL3G152K
.0018	.175	.750	SL3C182K	.175	.750	SL3D182K	.195	.750	SL3E182K	.235	.750	SL3G182K
.0022	.175	.750	SL3C222K	.175	.750	SL3D222K	.195	.750	SL3E222K	.235	.875	SL3G222K
.0027	.175	.750	SL3C272K	.175	.750	SL3D272K	.235	.750	SL3E272K	.235	.875	SL3G272K
.0033	.175	.750	SL3C332K	.195	.750	SL3D332K	.235	.750	SL3E332K	.235	.875	SL3G332K
.0039	.175	.750	SL3C392K	.195	.750	SL3D392K	.235	.750	SL3E392K	.312	.875	SL3G392K
.0047	.175	.750	SL3C472K	.235	.750	SL3D472K	.235	.875	SL3E472K	.312	.875	SL3G472K
.0056	.195	.750	SL3C562K	.235	.750	SL3D562K	.235	.875	SL3E562K	.312	.875	SL3G562K
.0068	.235	.750	SL3C682K	.235	.750	SL3D682K	.312	.875	SL3E682K	.312	.875	SL3G682K
.0082	.235	.750	SL3C822K	.235	.750	SL3D822K	.312	.875	SL3E822K	.400	.875	SL3G822K
.01	.235	.750	SL3C103K	.235	.875	SL3D103K	.312	.875	SL3E103K	.400	.875	SL3G103K
.012	.235	.750	SL3C123K	.235	.875	SL3D123K	.312	.875	SL3E123K	.400	.875	SL3G123K
.015	.235	.875	SL3C153K	.312	.875	SL3D153K	.400	.875	SL3E153K	.400	1.125	SL3G153K
.018	.235	.875	SL3C183K	.312	.875	SL3D183K	.400	.875	SL3E183K	.400	1.125	SL3G183K
.022	.312	.875	SL3C223K	.312	.875	SL3D223K	.400	.875	SL3E223K	.400	1.125	SL3G223K
.027	.312	.875	SL3C273K	.312	.875	SL3D273K	.400	1.125	SL3E273K	.400	1.375	SL3G273K
.033	.312	.875	SL3C333K	.400	.875	SL3D333K	.400	1.125	SL3E333K	.400	1.375	SL3G333K
.039	.312	.875	SL3C393K	.400	.875	SL3D393K	.400	1.375	SL3E393K	.562	1.125	SL3G393K
.047	.400	.875	SL3C473K	.400	.875	SL3D473K	.400	1.375	SL3E473K	.562	1.125	SL3G473K
.056	.400	.875	SL3C563K	.400	1.125	SL3D563K	.562	1.125	SL3E563K	.562	1.375	SL3G563K
.068	.400	.875	SL3C683K	.400	1.125	SL3D683K	.562	1.125	SL3E683K	.562	1.375	SL3G683K
.082	.400	1.125	SL3C823K	.400	1.375	SL3D823K	.562	1.125	SL3E823K	.562	1.625	SL3G823K
.10	.400	1.125	SL3C104K	.562	1.125	SL3D104K	.562	1.375	SL3E104K	.670	1.625	SL3G104K
.12	.400	1.375	SL3C124K	.562	1.125	SL3D124K	.562	1.625	SL3E124K	.670	1.625	SL3G124K
.15	.562	1.125	SL3C154K	.562	1.125	SL3D154K	.562	1.625	SL3E154K	.750	1.875	SL3G154K
.18	.562	1.125	SL3C184K	.562	1.375	SL3D184K	.670	1.625	SL3E184K	.750	1.875	SL3G184K
.22	.562	1.125	SL3C224K	.562	1.375	SL3D224K	.670	1.625	SL3E224K	.750	1.875	SL3G224K
.25	.562	1.375	SL3C254K	.562	1.625	SL3D254K	.670	1.875	SL3E254K	.750	2.125	SL3G254K
.27	.562	1.375	SL3C274K	.562	1.625	SL3D274K	.670	1.875	SL3E274K	1.000	1.875	SL3G274K
.33	.562	1.375	SL3C334K	.670	1.625	SL3D334K	.750	1.875	SL3E334K	1.000	1.875	SL3G334K
.39	.562	1.625	SL3C394K	.670	1.625	SL3D394K	.750	2.125	SL3E394K	1.000	1.875	SL3G394K
.47	.670	1.625	SL3C474K	.750	1.875	SL3D474K	1.000	1.875	SL3E474K	1.000	2.125	SL3G474K
.50	.670	1.625	SL3C504K	.750	1.875	SL3D504K	1.000	1.875	SL3E504K	1.000	2.375	SL3G504K
.56	.670	1.875	SL3C564K	.750	1.875	SL3D564K	1.000	1.875	SL3E564K	1.000	2.375	SL3G564K
.68	.670	1.875	SL3C684K	.750	2.125	SL3D684K	1.000	2.125	SL3E684K			
.82	.750	2.125	SL3C824K	1.000	1.875	SL3D824K	1.000	2.375	SL3E824K			
1.0	.750	2.125	SL3C105K	1.000	1.875	SL3D105K	1.000	2.625	SL3E105K			
1.5	1.000	2.125	SL3C155K	1.000	2.625	SL3D155K						
2.0	1.000	2.375	SL3C205K	1.000	2.625	SL3D205K						

Note: Replace the last digit **K** with the desired tolerance code from the tolerance table. For an in-between value use the next larger value's dimensions. Custom sizes are readily available. All dimensions are in inches. All +.05" dimension tolerances are Maximum.

# POLYSTYRENE AND FOIL CAPACITORS PARAMETRIC TREND CURVES AND ACCEPTANCE CRITERIA



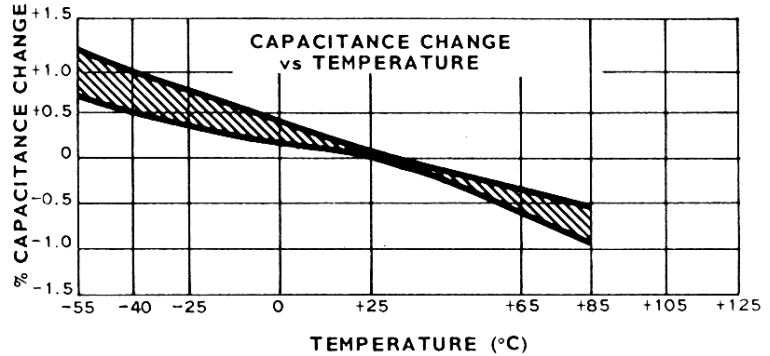
## CAPACITANCE

Reference MIL-STD-202, Method 305  
Test Frequency: 1000 Hz  
Temperature: +25°C

Capacitance Change Over  
Temperature.

Acceptance Limits:  
-100 ppm/°C ± 50 ppm/°C

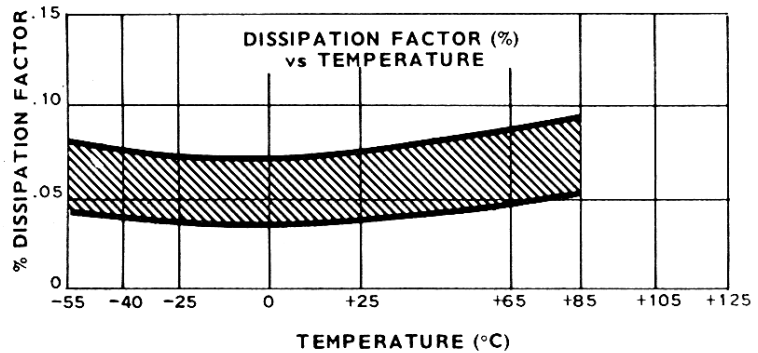
Capacitance Retrace: Within ±0.2%



## DISSIPATION FACTOR

Reference MIL-STD-202,  
Method 306  
Test Frequency: 1000 Hz  
Temperature: +25°C

Acceptance Limit: 0.10% Maximum

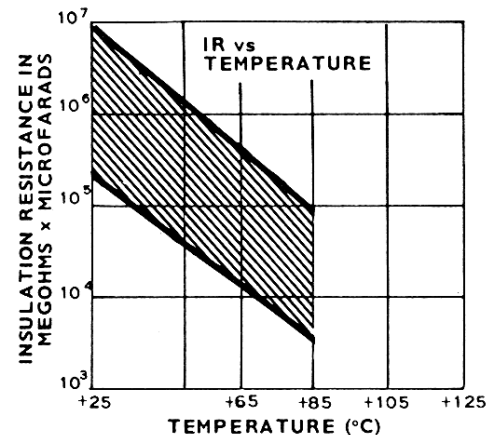


## INSULATION RESISTANCE

Reference MIL-STD-202, Method 302  
Electrification shall be at rated voltage  
or 500 VDC, whichever is less and for  
a time not greater than 2 minutes.

Acceptance Limits:

Test Temperature	Megs x $\mu$ f Minimum	Megohms Need not exceed
@ +25°C	200,000	500,000
@ +65°C	10,000	100,000
@ +85°C	4,000	40,000



## VOLTAGE RATING

100% of listed voltage rating from -55°C to +65°C, derate linearly to 60% of the listed voltage rating at +85°C.

## VOLTAGE TEST

Reference MIL-STD-202, Method 301. Surge current is limited to 1 ampere maximum. Voltage applied for 1 minute (maximum) @ +25°C. Ground test is performed terminal to case (where the case is not a terminal) at 200% of the DC voltage rating. Dielectric strength test is performed terminal to terminal at 200% of the DC voltage rating.