

SHORT FORM

CAPACITOR
CATALOG



 **SURGE**

ABOUT SURGE

Surge Components, Inc. is a highly competitive supplier of capacitors and discrete semiconductors with manufacturing/stocking facilities and sales offices located worldwide. The company is a progressive organization with a wide product selection, outstanding delivery record and aggressive pricing. Its product offering encompasses a wide variety of high performance capacitors including:

- Aluminum Electrolytic
- Film
- Ceramic



These devices are handled by Surge's Capacitor Marketing Group. Surge also supplies **bridge rectifiers, diodes and transistors** through its Discrete Semiconductor Marketing Group. Manufactured in ISO 9002-certified facilities, these devices are sold directly, or through authorized Surge distributors.



Founded in 1981, Surge is a publicly traded company under the "SPRS" symbol on NASDAQ.

Surge is a member of the National Electronic Distributors Association (NEDA) and the Electronic Representatives Association (ERA).

Headquarters:
1016 Grand Boulevard
Deer Park, N.Y. U.S.A. 11729
Tel: (631) 595-1818
Fax: (631) 595-1283
www.surgecomponents.com



ALUMINUM ELECTROLYTIC CAPACITORS

GENERAL PURPOSE

SREA (SSG)

General Purpose,
Standard Size, 85°C

Lead Type: Radial

Voltage Range (VDC): 6.3 - 450

Capacitance Range (μ F): 0.1 - 22,000

Temperature Range (°C): -40 - +85

Tolerance: 20% Standard / 10% Optional

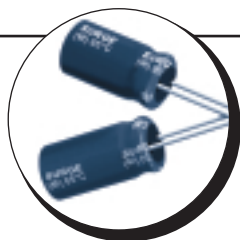
Leakage Current: $\leq 100V$ $I=0.01CV$ or $3\mu A$

whichever is greater, if $>100V(<1000\mu)$

$I=0.03CV + 15\mu A$ ($>1000\mu$) $I=0.02CV + 25\mu A$

Solvent End Seal: Available

Tape & Reel/Ammo: Available



SSS/SSSL (SSS)

General Purpose,
Low Profile,
7mm Height, 85°C

Lead Type: Radial

Voltage Range (VDC): 4.0 - 63

Capacitance Range (μ F): 0.1 - 470

Temperature Range (°C): -40 - +85

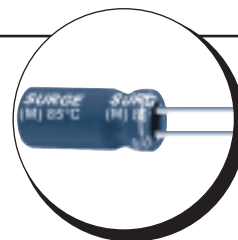
Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.01CV$ or $3\mu A$

whichever is greater

Solvent End Seal: Available

Tape & Reel/Ammo: Available



SMB (SSE)

General Purpose,
Low Profile,
5mm Height, 85°C

Lead Type: Radial

Voltage Range (VDC): 4.0 - 50

Capacitance Range (μ F): 0.1 - 220

Temperature Range (°C): -40 - +85

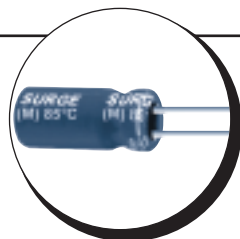
Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.01CV$ or $3\mu A$

whichever is greater

Solvent End Seal: Available

Tape & Reel/Ammo: Available



STEA (SAE)

General Purpose,
Standard Size, 85°C

Lead Type: Axial

Voltage Range (VDC): 6.3 - 450

Capacitance Range (μ F): 0.1 - 22,000

Temperature Range (°C): -40 - +85

Tolerance: 20% Standard / 10% Optional

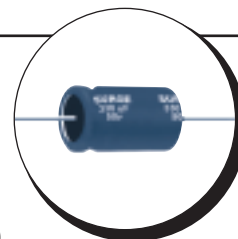
Leakage Current: $\leq 100V$ $I=0.02CV$ or $3\mu A$

whichever is greater, if $>100V(<1000\mu)$

$I=0.03CV + 15\mu A$ ($>1000\mu$) $I=0.02CV + 25\mu A$

Solvent End Seal: Available

Tape & Reel/Ammo: Available



GENERAL PURPOSE

CAE-LP

Ultra Low Profile

Lead Type: SMD

Voltage Range (VDC): 4 - 50

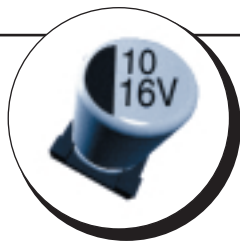
Capacitance Range (μ F): 0.1 - 220

Temperature Range ($^{\circ}$ C): -40 - +85

Tolerance: 20%

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Tape & Reel: Standard



CAE-M

General Purpose,
3mm Diameter

Lead Type: SMD

Voltage Range (VDC): 4 - 50

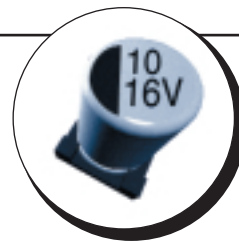
Capacitance Range (μ F): 0.1 - 22

Temperature Range ($^{\circ}$ C): -40 - +85

Tolerance: 20%

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Tape & Reel: Standard



CAE-HCV

Miniature Size

Lead Type: SMD

Voltage Range (VDC): 6.3 - 50

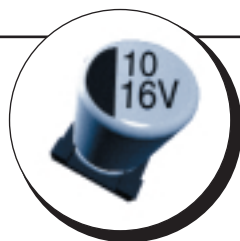
Capacitance Range (μ F): 4.7 - 220

Temperature Range ($^{\circ}$ C): -40 - +85

Tolerance: 20%

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Tape & Reel: Standard



CAE-S

General Purpose,
Standard Size

Lead Type: SMD

Voltage Range (VDC): 4 - 100

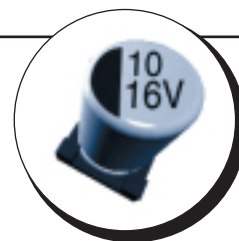
Capacitance Range (μ F): 0.1 - 6,800

Temperature Range ($^{\circ}$ C): -40 - +85

Tolerance: 20%

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Tape & Reel: Standard





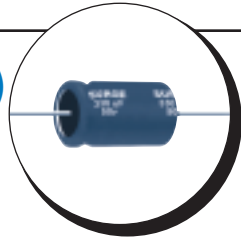
ALUMINUM ELECTROLYTIC CAPACITORS

LOW LEAKAGE

STL/STLA (SLEA)

Low Leakage Current,
Standard Size, 85°C

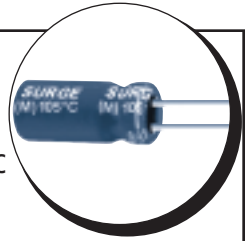
Lead Type: Axial
Voltage Range (VDC): 6.3 - 100
Capacitance Range (μ F): 0.1 - 4,700
Temperature Range (°C): -40 - +85
Tolerance: 20% Standard / 10% Optional
Leakage Current: $I=0.002CV$ or $0.4\mu A$
whichever is greater
Solvent End Seal: Available
Tape & Reel/Ammo: Available



SSA

Low Leakage Current,
Low Profile, 7mm Height, 105°C

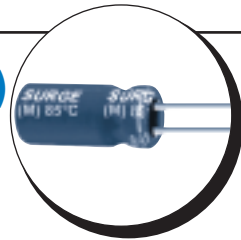
Lead Type: Radial
Voltage Range (VDC): 4 - 63
Capacitance Range (μ F): 0.1 - 100
Temperature Range (°C): -40 - +105
Tolerance: 20% Standard / 10% Optional
Leakage Current: $I=0.002CV$ or $0.4\mu A$
whichever is greater
Solvent End Seal: Available
Tape & Reel/Ammo: Available



SLM/SLMA (SLE)

Low Leakage Current,
Low Profile, 7mm Height, 85°C

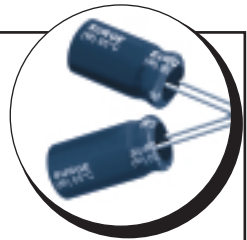
Lead Type: Radial
Voltage Range (VDC): 4 - 63
Capacitance Range (μ F): 0.1 - 100
Temperature Range (°C): -40 - +85
Tolerance: 20% Standard / 10% Optional
Leakage Current: $I=0.002CV$ or $0.4\mu A$
whichever is greater
Solvent End Seal: Available
Tape & Reel/Ammo: Available



SMBL

Low Leakage Current,
Low Profile, 5mm Height, 85°C

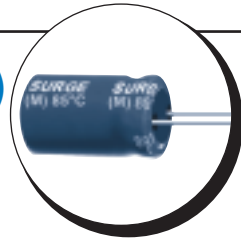
Lead Type: Radial
Voltage Range (VDC): 4 - 50
Capacitance Range (μ F): 0.1 - 100
Temperature Range (°C): -40 - +85
Tolerance: 20% Standard / 10% Optional
Leakage Current: $I=0.002CV$ or $0.4\mu A$
whichever is greater
Solvent End Seal: Available
Tape & Reel/Ammo: Available



SRL/SRLA (SLER)

Low Leakage Current,
Standard Size, 85°C

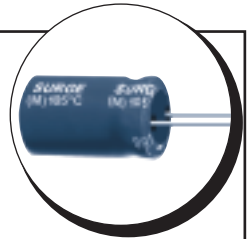
Lead Type: Radial
Voltage Range (VDC): 6.3 - 100
Capacitance Range (μ F): 0.1 - 4,700
Temperature Range (°C): -40 - +85
Tolerance: 20% Standard / 10% Optional
Leakage Current: $I=0.002CV$ or $0.4\mu A$
whichever is greater
Solvent End Seal: Available
Tape & Reel/Ammo: Available



SRA

Low Leakage Current,
Standard Size, 105°C

Lead Type: Radial
Voltage Range (VDC): 6.3 - 100
Capacitance Range (μ F): 0.1 - 4,700
Temperature Range (°C): -40 - +105
Tolerance: 20% Standard / 10% Optional
Leakage Current: $I=0.002CV$ or $0.4\mu A$
whichever is greater
Solvent End Seal: Available
Tape & Reel/Ammo: Available





ALUMINUM ELECTROLYTIC CAPACITORS

NON-POLARIZED/BI-POLAR

SRN

Non-Polar, Standard Size, 85°C

Lead Type: Radial

Voltage Range (VDC): 6.3 - 250

Capacitance Range (μ F): 0.1 - 2,200

Temperature Range (°C): -40 - +85

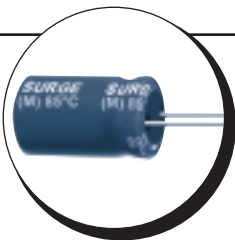
Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.03CV$ or $4\mu A$

whichever is greater

Solvent End Seal: Available

Tape & Reel/Ammo: Available



SRNG

Non-Polar, Standard Size, 105°C

Lead Type: Radial

Voltage Range (VDC): 6.3 - 250

Capacitance Range (μ F): 0.1 - 2,200

Temperature Range (°C): -40 - +105

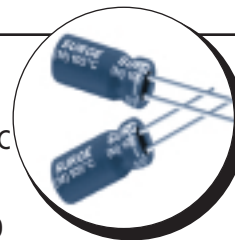
Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.03CV$ or $4\mu A$

whichever is greater

Solvent End Seal: Available

Tape & Reel/Ammo: Available



SRNS

Non-Polar, 7mm Height, 85°C

Lead Type: Radial

Voltage Range (VDC): 4 - 63

Capacitance Range (μ F): 0.1 - 100

Temperature Range (°C): -40 - +85

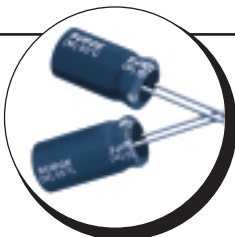
Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.05CV$ or $10\mu A$

whichever is greater

Solvent End Seal: Available

Tape & Reel/Ammo: Available



SSN

Non-Polar, 5mm Height, 85°C

Lead Type: Radial

Voltage Range (VDC): 4 - 50

Capacitance Range (μ F): 0.1 - 47

Temperature Range (°C): -40 - +85

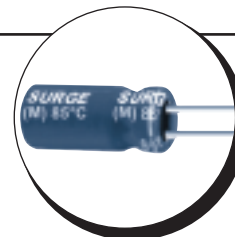
Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.05CV$ or $10\mu A$

whichever is greater

Solvent End Seal: Available

Tape & Reel/Ammo: Available



STN

Non-Polar, 85°C

Lead Type: Axial

Voltage Range (VDC): 6.3 - 100

Capacitance Range (μ F): 0.1 - 2,200

Temperature Range (°C): -40 - +85

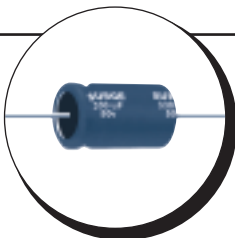
Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.03CV$ or $3\mu A$

whichever is greater

Solvent End Seal: Available

Tape & Reel/Ammo: Available



STBL

Bi-Polar, Low Leakage Current,
85°C

Lead Type: Axial

Voltage (VDC): 50

Capacitance Range (μ F): 0.47 - 68

Temperature Range (°C): -40 - +85

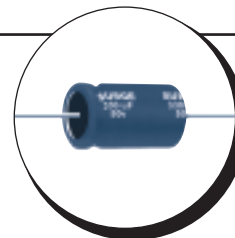
Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.03CV$ or $3\mu A$

whichever is greater

Solvent End Seal: Available

Tape & Reel/Ammo: Available





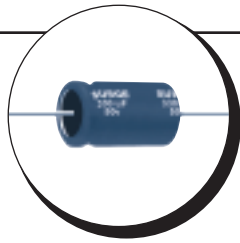
ALUMINUM ELECTROLYTIC CAPACITORS

NON-POLARIZED/Bi-POLAR

STB

Bi-Polar, High Frequency,
85°C

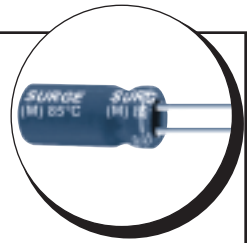
Lead Type: Axial
Voltage (VDC): 50
Capacitance Range (μ F): 0.47 - 68
Temperature Range (°C): -40 - +85
Tolerance: 20% Standard / 10% Optional
Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater
Solvent End Seal: Available
Tape & Reel/Ammo: Available



SRBS

Bi-Polar, High Frequency,
Reduced Sizes, 85°C

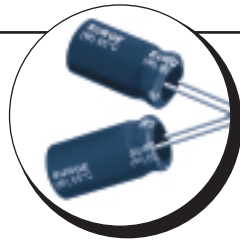
Lead Type: Radial
Voltage (VDC): 50
Capacitance Range (μ F): 0.47 - 68
Temperature Range (°C): -40 - +85
Tolerance: 20% Standard / 10% Optional
Leakage Current: $I=0.03CV$ or $3\mu A$
whichever is greater
Solvent End Seal: Available
Tape & Reel/Ammo: Available



SRB

Bi-Polar, High Frequency, 85°C

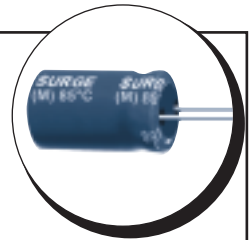
Lead Type: Radial
Voltage (VDC): 50
Capacitance Range (μ F): 0.47 - 68
Temperature Range (°C): -40 - +85
Tolerance: 20% Standard / 10% Optional
Leakage Current: $I=0.03CV$ or $3\mu A$
whichever is greater
Solvent End Seal: Available
Tape & Reel/Ammo: Available



SRBL

Bi-Polar, Low Leakage Current,
High Frequency, 85°C

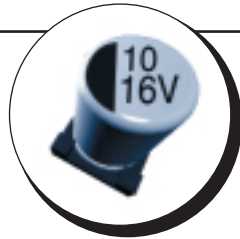
Lead Type: Radial
Voltage (VDC): 50
Capacitance Range (μ F): 0.47 - 68
Temperature Range (°C): -40 - +85
Tolerance: 20% Standard / 10% Optional
Leakage Current: $I=0.03CV$ or $3\mu A$
whichever is greater
Solvent End Seal: Available
Tape & Reel/Ammo: Available



CAE-BPW

Bi-Polar, 5.5mm

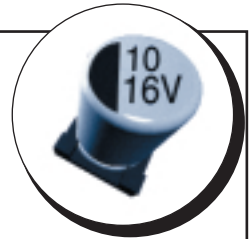
Lead Type: SMD
Voltage Range (VDC): 6.3 - 50
Capacitance Range (μ F): 0.1 - 47
Temperature Range (°C): -55 - +105
Tolerance: 20%
Leakage Current: $I=0.03CV + 6\mu A$
Tape & Reel: Standard



CAE-BP

Bi-Polar

Lead Type: SMD
Voltage Range (VDC): 6.3 - 50
Capacitance Range (μ F): 0.1 - 47
Temperature Range (°C): -40 - +85
Tolerance: 20%
Leakage Current: $I=0.03CV + 6\mu A$
Tape & Reel: Standard





ALUMINUM ELECTROLYTIC CAPACITORS

WIDE TEMPERATURE RANGE

SRG/SRGA (SREH)

Wide Temperature Range,
Standard Size, 105°C

Lead Type: Radial

Voltage Range (VDC): 6.3 - 450

Capacitance Range (μ F): 0.1 - 4,700

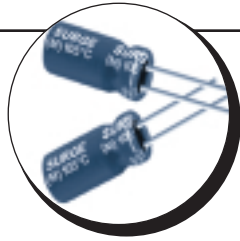
Temperature Range (°C): -40 +105

Tolerance: 20% Standard / 10% Optional

Leakage Current: $\leq 100V$ $I=0.01CV$ or $3\mu A$
whichever is greater, if $>100V(<1000\mu)$
 $I=0.03CV + 15\mu A$ ($>1000\mu$) $I=0.02CV + 25\mu A$

Solvent End Seal: Available

Tape & Reel/Ammo: Available



SRK

Wide Temperature Range,
Low Profile, 7mm Height, 105°C

Lead Type: Radial

Voltage Range (VDC): 4 - 63

Capacitance Range (μ F): 0.1 - 330

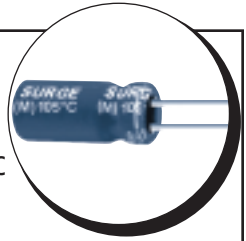
Temperature Range (°C): -40 - +105

Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Solvent End Seal: Available

Tape & Reel/Ammo: Available



STG (SAEH)

Wide Temperature Range,
Standard Size, Axial Lead, 105°C

Lead Type: Axial

Voltage Range (VDC): 6.3 - 450

Capacitance Range (μ F): 0.1 - 4,700

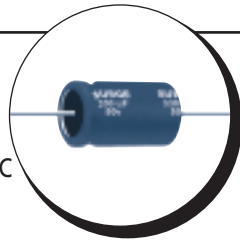
Temperature Range (°C): -40 - +105

Tolerance: 20% Standard / 10% Optional

Leakage Current: $\leq 100V$ $I=0.02CV$ or $3\mu A$
whichever is greater, if $>100V(<1000\mu)$
 $I=0.03CV + 15\mu A$ ($>1000\mu$) $I=0.02CV + 25\mu A$

Solvent End Seal: Available

Tape & Reel/Ammo: Available



SRJ/SRJA

Wide Temperature Range,
Standard Size, High Reliability,
105°C

Lead Type: Radial

Voltage Range (VDC): 6.3 - 63

Capacitance Range (μ F): 0.1 - 4,700

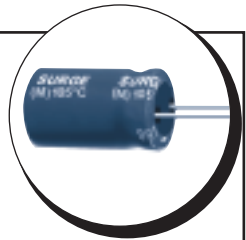
Temperature Range (°C): -55 - +105

Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Solvent End Seal: Standard

Tape & Reel/Ammo: Available



SRXJ

Low ESR, Low Impedance,
2000-5000 Hours Assured, Suitable
for Switching Power Supplies, 105°C

Lead Type: Radial

Voltage Range (VDC): 6.3 - 100

Capacitance Range (μ F): 1.0 - 4,700

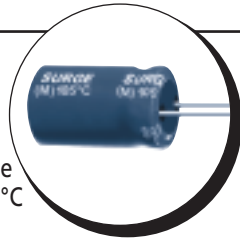
Temperature Range (°C): -55 - +105

Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Solvent End Seal: Standard

Tape & Reel/Ammo: Available



SRKM

Wide Temperature Range,
Low Profile, 5mm Height, 105°C

Lead Type: Radial

Voltage Range (VDC): 4 - 50

Capacitance Range (μ F): 0.1 - 220

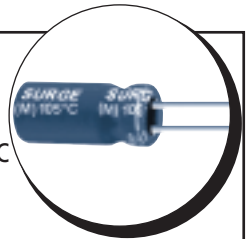
Temperature Range (°C): -40 - +105

Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Solvent End Seal: Available

Tape & Reel/Ammo: Available



ALUMINUM ELECTROLYTIC CAPACITORS WIDE TEMPERATURE RANGE

CAE-LL

Wide Temperature Range,
Long Life

Lead Type: SMD

Voltage Range (VDC): 6.3 - 50

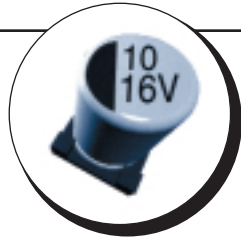
Capacitance Range (μ F): 0.1 - 1,000

Temperature Range ($^{\circ}$ C): -40 - +105

Tolerance: 20%

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Tape & Reel: Standard



CAE-GA

Wide Temperature Range,
5.5mm Maximum Height,
Low Impedance

Lead Type: SMD

Voltage Range (VDC): 6.3 - 35

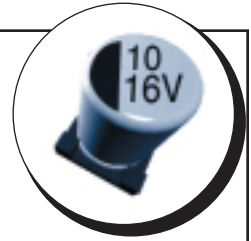
Capacitance Range (μ F): 0.47 - 100

Temperature Range ($^{\circ}$ C): -55 - +105

Tolerance: 20%

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Tape & Reel: Standard



CAE-AX

Wide Temperature Range,
Low Impedance

Lead Type: SMD

Voltage Range (VDC): 6.3 - 35

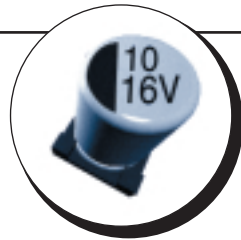
Capacitance Range (μ F): 4.7 - 3,300

Temperature Range ($^{\circ}$ C): -55 - +105

Tolerance: 20%

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Tape & Reel: Standard



CAE-UWT

Wide Temperature Range,
Long Life

Lead Type: SMD

Voltage Range (VDC): 6.3 - 50

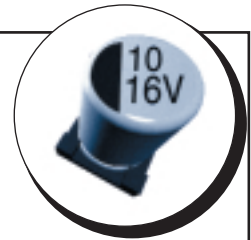
Capacitance Range (μ F): 33 - 1,500

Temperature Range ($^{\circ}$ C): -40 - +125

Tolerance: 20%

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Tape & Reel: Standard



CAE-FC

Wide Temperature Range,
4.9mm Height

Lead Type: SMD

Voltage Range (VDC): 6.3 - 50

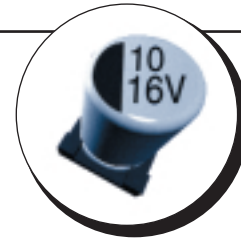
Capacitance Range (μ F): 0.1 - 100

Temperature Range ($^{\circ}$ C): -55 - +105

Tolerance: 20%

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Tape & Reel: Standard



CAE-NT

Wide Temperature Range

Lead Type: SMD

Voltage Range (VDC): 6.3 - 400

Capacitance Range (μ F): 0.1 - 6,800

Temperature Range ($^{\circ}$ C): -55 - +105

Tolerance: 20%

Leakage Current: $I=0.01CV$ or $3\mu A$
whichever is greater

Tape & Reel: Standard





ALUMINUM ELECTROLYTIC CAPACITORS

SNAP IN

SLS

Snap-In/Lug Terminal, 85°C

Lead Type: Snap-In

Voltage Range (VDC): 16 - 450

Capacitance Range (μF): 56 - 22,000

Temperature Range (°C): -40 - +85

Tolerance: 20%

Leakage Current: $I=0.02CV$ or 1.5mA
whichever is smaller



SLSG

Snap-In/Lug Terminal, 105°C

Lead Type: Snap-In

Voltage Range (VDC): 16 - 450

Capacitance Range (μF): 56 - 22,000

Temperature Range (°C): -40 - +105

Tolerance: 20%

Leakage Current: $I=0.02CV$ or 1.5mA
whichever is smaller



SLP

Snap-In/Prong Terminal, 85°C

Lead Type: Lug Terminal

Voltage Range (VDC): 6.3 - 250

Capacitance Range (μF): 150 - 33,000

Temperature Range (°C): -40 - +85

Tolerance: 20% Standard / 10% Optional

Leakage Current: $I=0.02CV$ or 1.5mA
whichever is smaller



SEM

Epoxy Coated,
Inductive Polyester Film

Lead Type: Radial

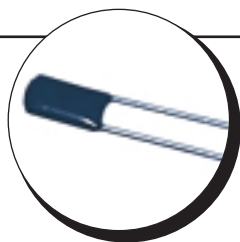
Voltage (VDC): 100

Capacitance Range (μF): 0.001 - 0.22

Temperature Range ($^{\circ}C$): -40 - +85

Tolerance: 10% Standard / 5% Optional

Tape & Reel/Ammo: Available



SRP

Epoxy Coated, Non-Inductive,
Extended Foil Film

Lead Type: Radial

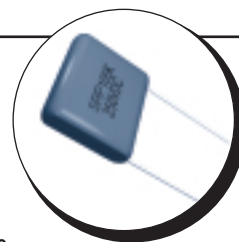
Voltage Range (VDC): 100 - 400

Capacitance Range (μF): 0.001 - 0.47

Temperature Range ($^{\circ}C$): -40 - +105

Tolerance: 10% Standard / 5% Optional

Tape & Reel/Ammo: Available



SRM/SRMA

Epoxy Coated, Non-Inductive,
Metallized Polyester

Lead Type: Radial

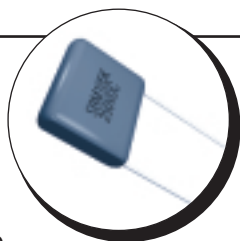
Voltage Range (VDC): 100 - 630

Capacitance Range (μF): 0.01 - 10

Temperature Range ($^{\circ}C$): -55 - +125

Tolerance: 10% Standard / 5% Optional

Tape & Reel/Ammo: Available



SAM/SAMR

Wrap and Fill, Non-Inductive,
Metallized Axial Film

Lead Type: Axial

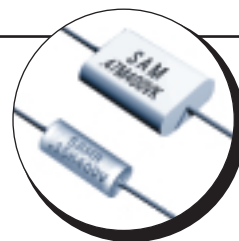
Voltage Range (VDC): 100 - 630

Capacitance Range (μF): 0.01 - 10

Temperature Range ($^{\circ}C$): -55 - +125

Tolerance: 10% Standard / 5% Optional

Tape & Reel/Ammo: Available



SMMY5-27.5

Molded Box, Non-Inductive,
Metallized Polyester

Lead Type: Radial

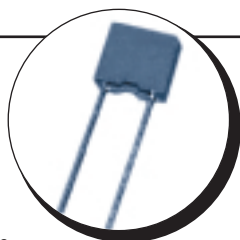
Voltage Range (VDC): 63 - 1,000

Capacitance Range (μ F): 0.001 - 10

Temperature Range ($^{\circ}$ C): -55 - +125

Tolerance: 10% Standard / 5% Optional

Tape & Reel/Ammo: Available



SMD

Epoxy Coated, Non-Inductive,
Metallized Polypropylene

Lead Type: Radial

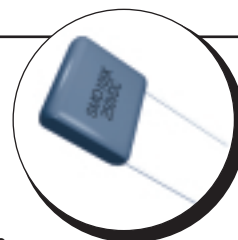
Voltage Range (VDC): 250 - 630

Capacitance Range (μ F): 0.01 - 4.7

Temperature Range ($^{\circ}$ C): -40 - +105

Tolerance: 10% Standard / 5% Optional

Tape & Reel/Ammo: Available



MKP

Flame Retardent Box,
Non-Inductive,
Metallized Polypropylene,
X Cap, Across The Line

Lead Type: Radial

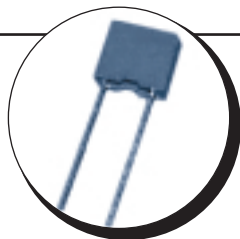
Voltage Range (VAC): 250 - 275

Capacitance Range (μ F): 0.0047 - 1.0

Temperature Range ($^{\circ}$ C): -40 - +85

Tolerance: 10% Standard / 5% Optional

Tape & Reel/Ammo: Available



SCL23B

Molded Box*, Non-Inductive,
Metallized Polyester
(Stacked Version)

Lead Type: Radial

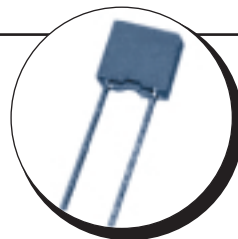
Voltage Range (VAC): 50 - 400

Capacitance Range: 1,000pF - 1.0 μ F

Temperature Range ($^{\circ}$ C): -55 - +100 (for 56 days)

Tolerance: 10% Standard / 5% Optional

Tape & Reel/Ammo: Available



*Dipped package available upon request.

MLCC

Surface Mount,
Surge Series: CL05, CL10,
CL21, CL31

Voltage Range (VDC): 16 - 500WVDC

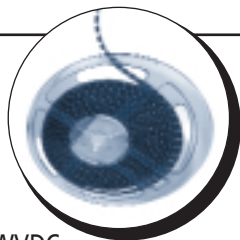
Temp Coeff: NPO, X7R, Y5V

Capacitance Range: 1.0pF - 1.0μF

SMD Case Sizes: 0402, 0603, 0805, 1206

Tolerance: Available in 5%, 10%, 20%

Tape & Reel: Standard



DISC TYPE

Surge Series: SHK, STC, SSC

Class: Temp Compensating, HI-K,
Semiconductor Type

Lead Type: Radial

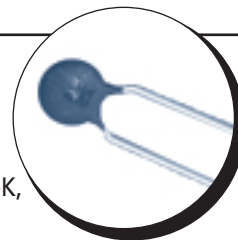
Voltage Range (VDC): 16 - 15KWVDC

Temp Coeff: NPO, Z5U, Y5U, Z5P, Y5P

Capacitance Range: 1.0pF - 0.22μF

Tolerance: Available in 5%, 10%, 20%

Tape & Reel/Ammo: Available



AC VOLTAGE DISC TYPE

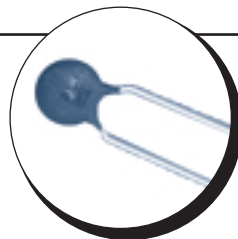
Surge Series: SCAC

Voltage Range (VDC): 125VAC,
250VAC, 400VAC T.C. - Y5V, Y5P

Capacitance Range (pF): 100 - 10,000

Tolerance: 10%

Tape & Reel/Ammo: Available



CROSS REFERENCE CHART

ALUMINUM ELECTROLYTIC CAPACITORS – LEADED

SURGE SERIES	IL. CAP	NICHICON	NIC	PANASONIC	TECATE	UCC
SLM/SLMA	PLM	SL	NLE	-	724	-
SLP	-	-	-	-	-	SMM-CE04, SMH-CE04
SLS	LBA	LQ, LU, LS	NRLM	TS-UP, TS-U	LG	SMM, SMH
SLSG	LMU	GQ, GU, GJ	NRLMW	TS-HA, TS-HB	LGE	KMM, KMH, LXG
SMBL	-	ML	NLES	-	-	-
SRA	-	-	NLELW	-	-	-
SRB	-	DB, GB	NBR	-	RN	AXF
SRBL	-	DB, GB	-	-	-	AXF
SRBS	-	DB, GB	-	-	-	AXF
SREA	CKS, CKR, SAK	VX, VR, RS	NRSA, NRSS, NRE-H, NREL, NRELS	M, MG	711, 723, 730	SME, SMG, SMH, SRG
SRG/SRGA	RMR, CKH	VZ, PR	NRWA, NRWS, NRE-LW, NRE-HW	NHG, MH, EB, GA	725E	KME, KMG, KMH, KRG
SRJ/SRJA	-	PR	-	-	725W	-
SRK	PGM	ST	NRESWZ, NRE-SX	KG	724SE	KMA, SRG
SRKM	-	MA	-	KS	-	SRM, SRE
SRL/SRLA	RLS, RLR	KL	NLEL	-	723	LLA
SRN	BPS	VP	NNR	-	RNB	SME-BP
SRNG	-	ET	-	GA-EN	RNBE	KME-BP
SRNS	DBM	SP	NRESN	KA-KN	-	SRA-BP
SRXJ	RZM, RZS	PJ	-	-	TRC	SXE, KMF
SRXK	LSR	PS	NRSZ	FB	TRS	LXJ, LXV
SSA	-	-	-	-	724E	-
SSN	-	MP	NSRN	KS-SN	-	SRE-BP
SSS/SSSL	PUM	SA, SR, RS	NRES	KA	724S	SRA, SRG
STB	-	-	NBA	-	TN	-
STBL	-	-	-	-	-	-
STEA	TTA	VX	NAE	-	701	-
STG	TMA	-	NAE-WT	-	715E	-
STL/STLA	TLS	-	-	-	714	-
STN	BPA	-	NNA	-	-	-



CROSS REFERENCE CHART

ALUMINUM ELECTROLYTIC CAPACITORS – SURFACE MOUNT

SURGE SERIES	IL. CAP	NICHICON	NIC	PANASONIC	TECATE	UCC
CAE-AX	-	-	NACZ	-	-	-
CAE-BP	-	WP	-	ECE-V (A-N)	-	MV-BP
CAE-BPW	-	UP	-	EEV-HPM	-	MVK-BP
CAE-FC	-	ZT	-	-	-	-
CAE-GA	-	WF	NACZ	EEV-FC	-	MVY
CAE-HCV	-	-	NACS	ECE-V (A-W)	-	-
CAE-LL	-	UT	NACH	EEV-HB	-	MVJ
CAE-LP	SLP	ZS	NACS	MC	-	MVS
CAE-M	SML	WX	-	ECE-V (S-S)	-	MV
CAE-NT	SMH	WT	NACV, NACEW	EEV-HA	-	MVK
CAE-S	-	WX, UR	NACE	ECE-VS (A-S, A)	-	MV
CAE-UWT	-	UB	NACT	EEV-TA, TB	-	MVH

FILM CAPACITORS

SURGE SERIES	IL CAP	NICHICON	NIC	PANASONIC	TECATE
SAM	MWF	AS	NAM	-	902
SAMR	MWR	-	NTM	-	901
SEM	UMR	QYX	NEM	ECQB	92
SRM/SRMA	MMR, MSR	XJ, XN	NRM	ECQEF, ECQES	914
SRP	FFR	YX	NRP	ECQP	814
CL23B	-	-	-	ECQV	-

CERAMIC CAPACITORS

SURGE SERIES	IL. CAP	KEMET	MURATA	NIC	PANASONIC	AVX
CL10	-	0603	GRM	NMC0603	-	0603
CL21	-	0805	GRM	NMC0805	-	0805
CL31	-	1206	GRM	NMC1206	-	1206
SHK	GMR, GOR, GCR, GHR	-	-	NCD	ECK	-
STC	BCR	-	-	NCD	ECC	-

Please refer to specific Surge series datasheets for size and electrical variations.



SURGE COMPONENTS INC.

1016 Grand Boulevard
Deer Park, N.Y. U.S.A. 11729
Tel: (631) 595-1818
Fax: (631) 595-1283
www.surgecomponents.com

CATALOG NO. CHAI

©2000, Surge Components Inc. All rights reserved.

