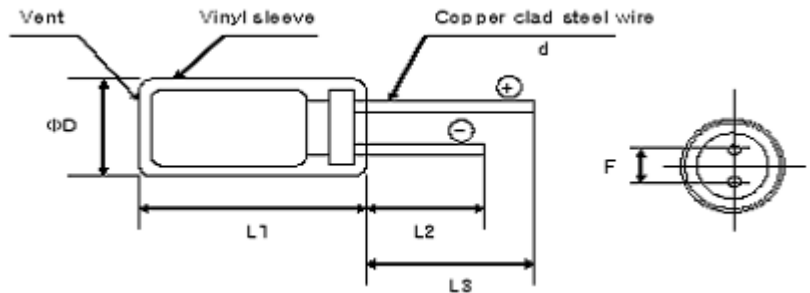


2.5V 1F

SCDR2R5105

■ Features



ϕD	ϕd	L1	L2	L3	F
8±0.3	0.6±0.05	13±1.5	20±1.0	26±1.0	4±0.5

■ Specifications

Rated Voltage, V_R		2.5
Rated Capacitance, C (DCC ^① , 25°C)		1 F, (-20%/+40%)
Dimensions		Ø8 X 13 mm
Volume		0.65 ml
Weight		1.1 g
Operating temperature range ^②		-25°C ~ +70°C
Storage temperature range		-40°C ~ +85°C
Rated Current (25°C) ^③		0.35 A
Max. Current (25°C) ^④		1.5 A
Max. Storage Energy (at V_R)		3.125 J (0.0009Wh)
Specific Energy	Gravimetric	0.79 Wh/kg
	Volumetric	1.34 Wh/l
Specific Power ^⑤	Pd[W/Kg]	2.37 kW/kg
	Pv[W/l]	4.01 kW/l
Internal Resistance (ESR)	AC(1kHz)	300 mΩ
	DC(0.3A)	500 mΩ
Max. Leakage Current, LC(1h, 25°C)		150 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = $(0.12XE2/Rd)/M$, E: Charge Voltage, Rd : Internal Resisatnce(DC)

Pv : Power Volume = $(0.12XE2/Rd)/V$,

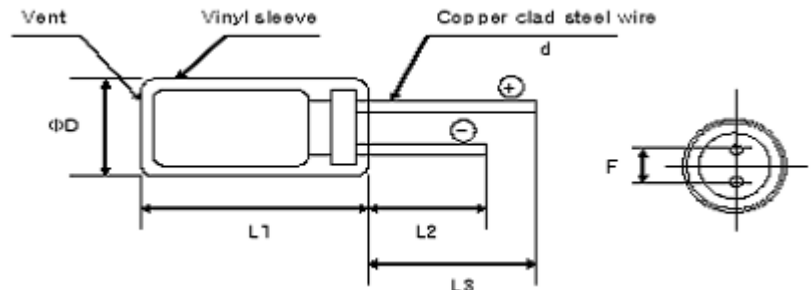
(6) 1cycle: charging to V_R for 20s, constant voltage

(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

2.5V 3F

SCDR2R5305

■ Features



ΦD	Φd	L1	L2	L3	F
8±0.3	0.6±0.05	20±1.5	20±1.0	26±1.0	4±0.5

■ Specifications

Rated Voltage, V_R		2.5
Rated Capacitance, C (DCC ^① , 25°C)		3 F, (-20%/+40%)
Dimensions		Ø8 X 20mm
Volume		1.0 ml
Weight		1.6 g
Operating temperature range ^②		-25°C ~ +70°C
Storage temperature range		-40°C ~ +85°C
Rated Current (25°C) ^③		0.65 A
Max. Current (25°C) ^④		3.1 A
Max. Storage Energy (at V_R)		9.375 J (0.0026 Wh)
Specific Energy	Gravimetric	1.63 Wh/kg
	Volumetric	2.60 Wh/l
Specific Power ^⑤	Pd[W/Kg]	3.26 kW/kg
	Pv[W/l]	5.21 kW/l
Internal Resistance (ESR)	AC(1kHz)	150 mΩ
	DC(0.3A)	300 mΩ
Max. Leakage Current, LC(1h, 25°C)		250 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = (0.12XE2/Rd)/M, E: Charge Voltage, Rd : Internal Resisatnce(DC)

Pv : Power Volume = (0.12XE2/Rd)/V,

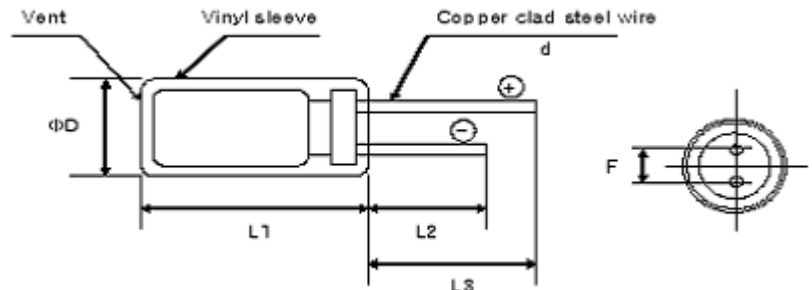
(6) 1cycle: charging to V_R for 20s, constant voltage

(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

2.5V 5F

SCDR2R5505

■ Features



ØD	Ød	L1	L2	L3	F
8±0.3	0.6±0.05	25±1.5	20±1.0	26±1.0	4±0.5

■ Specifications

Rated Voltage, V_R		2.5
Rated Capacitance, C (DCC ^① , 25°C)		5 F, (-20%/+40%)
Dimensions		Ø8 X 25mm
Volume		1.25 ml
Weight		2.0 g
Operating temperature range ^②		-25°C ~ +70°C
Storage temperate range		-40°C ~ +85°C
Rated Current (25°C) ^③		1.05 A
Max. Current (25°C) ^④		3.5 A
Max. Storage Energy (at V_R)		15.625J (0.004Wh)
Specific Energy	Gravimetric	2.17 Wh/kg
	Volumetric	3.47 Wh/l
Specific Power ^⑤	Pd[W/Kg]	3.26 kW/kg
	Pv[W/l]	5.21 kW/l
Internal Resistance (ESR)	AC(1kHz)	120 mΩ
	DC(0.3A)	240 mΩ
Max. Leakage Current, LC(1h , 25°C)		160 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = $(0.12XE^2/Rd)/M$, E: Charge Voltage, Rd : Internal Resisatnce(DC)

Pv : Power Volume = $(0.12XE^2/Rd)/V$,

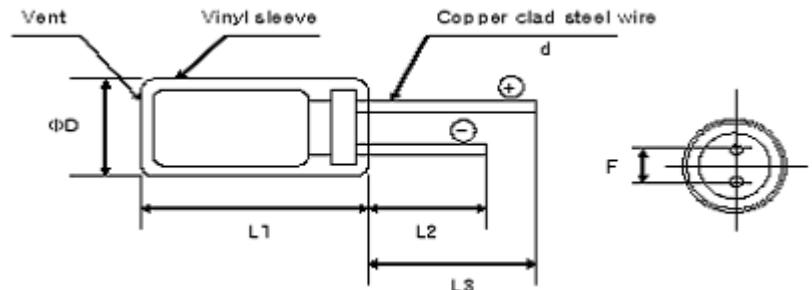
(6) 1cycle: charging to V_R for 20s, constant voltage

(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

2.5V 7F

SCDR2R5705

■ Features



ØD	Ød	L1	L2	L3	F
10±0.3	0.6±0.05	20±1.5	20±1.0	26±1.0	5±0.5

■ Specifications

Rated Voltage, V_R		2.5
Rated Capacitance, C (DCC ^① , 25°C)		7 F, (-20%/+40%)
Dimensions		Ø10 X 20 mm
Volume		1.57 ml
Weight		2.4 g
Operating temperature range ^②		-25°C ~ +70°C
Storage temperature range		-40°C ~ +85°C
Rated Current (25°C) ^③		1.25 A
Max. Current (25°C) ^④		3.65 A
Max. Storage Energy (at V_R)		21.875J (0.006 Wh)
Specific Energy	Gravimetric	2.53 Wh/kg
	Volumetric	3.87 Wh/l
Specific Power ^⑤	Pd[W/Kg]	3.26 kW/kg
	Pv[W/l]	4.98 kW/l
Internal Resistance (ESR)	AC(1kHz)	100 mΩ
	DC(0.3A)	200 mΩ
Max. Leakage Current, LC(1h, 25°C)		170 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = $(0.12XE^2/Rd)/M$, E: Charge Voltage, Rd : Internal Resisatnce(DC)

Pv : Power Volume = $(0.12XE^2/Rd)/V$,

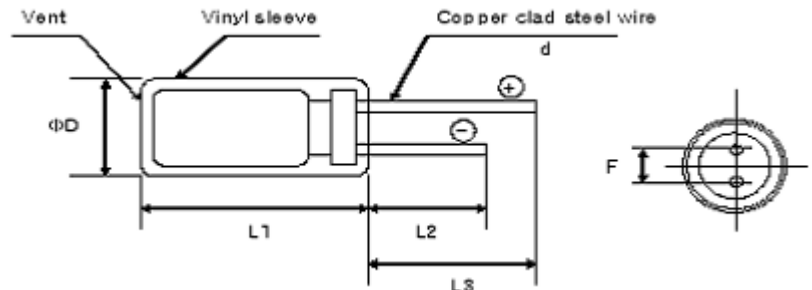
(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(6) 1cycle: charging to V_R for 20s, constant voltage

2.5V 10F

SCDR2R5106

■ Features



ØD	Ød	L1	L2	L3	F
10±0.3	0.6±0.05	25±1.5	20±1.0	26±1.0	5±0.5

■ Specifications

Rated Voltage, V_R		2.5
Rated Capacitance, C (DCC ^① , 25°C)		10 F, (-20%/+40%)
Dimensions		Ø10 X 25 mm
Volume		1.96 ml
Weight		3.1 g
Operating temperature range ^②		-25°C ~ +70°C
Storage temperature range		-40°C ~ +85°C
Rated Current (25°C) ^③		1.93 A
Max. Current (25°C) ^④		8.0 A
Max. Storage Energy (at V_R)		31.25 J (0.009 Wh)
Specific Energy	Gravimetric	2.80 Wh/kg
	Volumetric	4.43 Wh/l
Specific Power ^⑤	Pd[W/Kg]	3.60 kW/kg
	Pv[W/l]	5.69 kW/l
Internal Resistance (ESR)	AC(1kHz)	70 mΩ
	DC(0.3A)	140 mΩ
Max. Leakage Current, LC(1h, 25°C)		250 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = $(0.12XE^2/Rd)/M$, E: Charge Voltage, Rd : Internal Resisatnce(DC)

Pv : Power Volume = $(0.12XE^2/Rd)/V$,

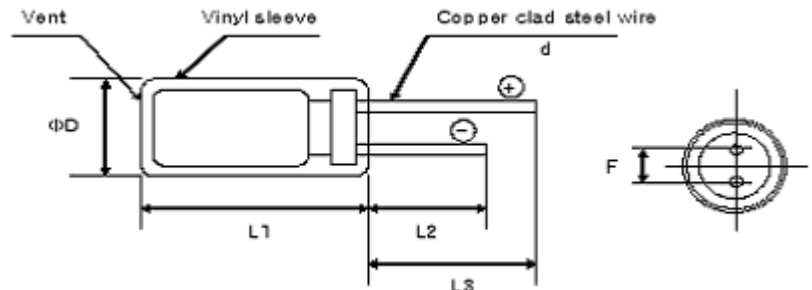
(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(6) 1cycle: charging to V_R for 20s, constant voltage

2.5V 15F

SCDR2R5156

■ Features



ØD	Ød	L1	L2	L3	F
12.5±0.3	0.6±0.05	25±1.5	20±1.0	26±1.0	5±0.5

■ Specifications

Rated Voltage, V_R		2.5
Rated Capacitance, C (DCC ^① , 25°C)		15 F, (-20%/+40%)
Dimensions		Ø12.5 X 25mm
Volume		3.07 ml
Weight		4.0 g
Operating temperature range ^②		-25°C ~ +70°C
Storage temperature range		-40°C ~ +85°C
Rated Current (25°C) ^③		3.45 A
Max. Current (25°C) ^④		13 A
Max. Storage Energy (at V_R)		46.875 J(0.013 Wh)
Specific Energy	Gravimetric	3.26 Wh/kg
	Volumetric	4.24 Wh/l
Specific Power ^⑤	Pd[W/Kg]	3.91 kW/kg
	Pv[W/l]	5.09 kW/l
Internal Resistance (ESR)	AC(1kHz)	50 mΩ
	DC(0.3A)	100 mΩ
Max. Leakage Current, LC(1h, , 25°C)		400 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC \ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = $(0.12XE^2/Rd)/M$, E: Charge Voltage, Rd : Internal Resistance(DC)

Pv : Power Volume = $(0.12XE^2/Rd)/V$,

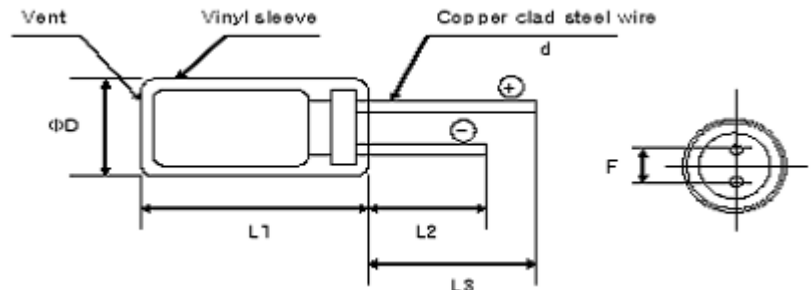
(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(6) 1cycle: charging to V_R for 20s, constant voltage

2.5V 25F

SCDR2R5256

■ Features



ØD	Ød	L1	L2	L3	F
16.0±0.3	0.8±0.05	25±1.5	21±1.0	28±1.0	8.0±0.5

■ Specifications

Rated Voltage, V_R		2.5
Rated Capacitance, C (DCC ^① , 25°C)		25 F, (-20%/+40%)
Dimensions		Ø16 X 25mm
Volume		5.02 ml
Weight		8.8 g
Operating temperature range ^②		-25°C ~ +70°C
Storage temperature range		-40°C ~ +85°C
Rated Current (25°C) ^③		5.6 A
Max. Current (25°C) ^④		16 A
Max. Storage Energy (at V_R)		78.125 J(0.022 Wh)
Specific Energy	Gravimetric	2.47 Wh/kg
	Volumetric	4.32 Wh/l
Specific Power ^⑤	Pd[W/Kg]	2.96 kW/kg
	Pv[W/l]	5.19 kW/l
Internal Resistance (ESR)	AC(1kHz)	30 mΩ
	DC(0.3A)	60 mΩ
Max. Leakage Current, LC(72h, , 25°C)		80 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = $(0.12XE2/Rd)/M$, E: Charge Voltage, Rd : Internal Resistance(DC)

Pv : Power Volume = $(0.12XE2/Rd)/V$,

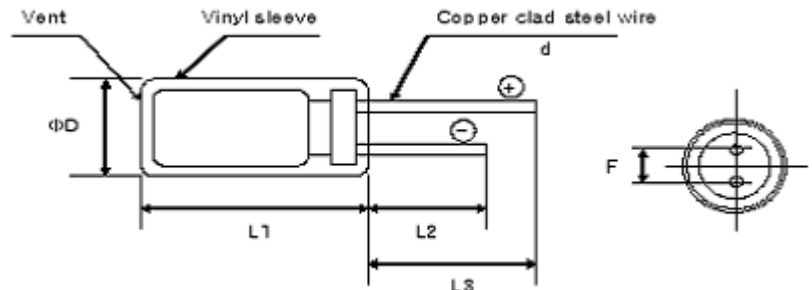
(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(6) 1cycle: charging to V_R for 20s, constant voltage

2.5V 35F

SCDR2R5356

■ Features



ΦD	Φd	L1	L2	L3	F
16.0±0.3	0.8±0.05	35±1.5	21±1.0	28±1.0	6±0.5

■ Specifications

Rated Voltage, V_R		2.5
Rated Capacitance, C (DCC ^① , 25°C)		35 F, (-20%/+40%)
Dimensions		Ø16 X 35mm
Volume		7.03 ml
Weight		10.4 g
Operating temperature range ^②		-25°C ~ +70°C
Storage temperature range		-40°C ~ +85°C
Rated Current (25°C) ^③		7.5 A
Max. Current (25°C) ^④		22 A
Max. Storage Energy (at V_R)		109.38 J(0.03 Wh)
Specific Energy	Gravimetric	2.92 Wh/kg
	Volumetric	4.32 Wh/l
Specific Power ^⑤	P_d [W/Kg]	3.00 kW/kg
	P_v [W/l]	4.45 kW/l
Internal Resistance (ESR)	AC(1kHz)	30 mΩ
	DC(0.3A)	50 mΩ
Max. Leakage Current, LC(72h, , 25°C)		90 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) P_d : Power density = $(0.12XE^2/Rd)/M$, E: Charge Voltage, Rd : Internal Resistance(DC)

P_v : Power Volume = $(0.12XE^2/Rd)/V$,

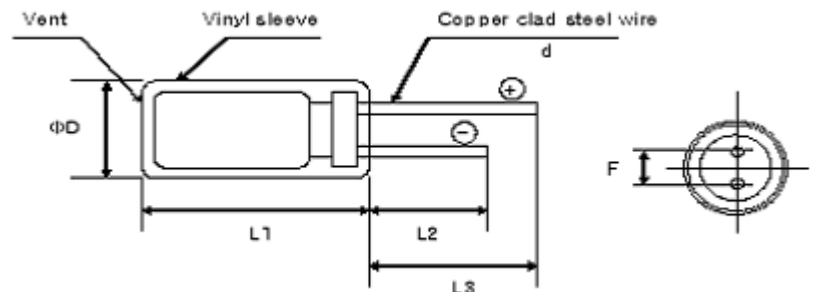
(6) 1cycle: charging to V_R for 20s, constant voltage

(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

2.5V 50F

SCDR2R5506

■ Features



ϕD	ϕd	L1	L2	L3	F
18.0±0.3	0.8±0.02	40±1.5	21±1.0	28±1.0	8±0.5

■ Specifications

Rated Voltage, V_R		2.5
Rated Capacitance, C (DCC ^① , 25°C)		50 F, (-20%/+40%)
Dimensions		Ø18 X 40mm
Volume		10.17 ml
Weight		13.5 g
Operating temperature range ^②		-25°C ~ +70°C
Storage temperature range		-40°C ~ +85°C
Rated Current (25°C) ^③		9.95 A
Max. Current (25°C) ^④		28 A
Max. Storage Energy (at V_R)		156.25 J(0.043 Wh)
Specific Energy	Gravimetric	3.33 Wh/kg
	Volumetric	4.27 Wh/l
Specific Power ^⑤	P_d [W/Kg]	2.99 kW/kg
	P_v [W/l]	3.84 kW/l
Internal Resistance (ESR)	AC(1kHz)	20 mΩ
	DC(0.3A)	40 mΩ
Max. Leakage Current, LC(72h, , 25°C)		95 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) P_d : Power density = $(0.12XE^2/Rd)/M$, E: Charge Voltage, Rd : Internal Resistance(DC)

P_v : Power Volume = $(0.12XE^2/Rd)/V$,

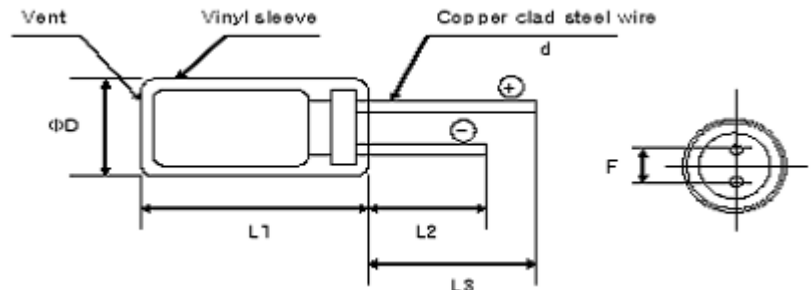
(6) 1cycle: charging to V_R for 20s, constant voltage

(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

2.5V 70F

SCDR2R5706

■ Features



ϕD	ϕd	L1	L2	L3	F
18.0±0.3	0.8±0.02	40±1.5	21±1.0	28±1.0	8±0.5

■ Specifications

Rated Voltage, V_R		2.5
Rated Capacitance, C (DCC ^① , 25°C)		70 F, (-20%/+40%)
Dimensions		Ø18 X 40 mm
Volume		10.17 ml
Weight		15.7 g
Operating temperature range ^②		-25°C ~ +70°C
Storage temperature range		-40°C ~ +85°C
Rated Current (25°C) ^③		11 A
Max. Current (25°C) ^④		29 A
Max. Storage Energy (at V_R)		218.75J (0.061 Wh)
Specific Energy	Gravimetric	3.87 Wh/kg
	Volumetric	5.97 Wh/l
Specific Power ^⑤	P_d [W/Kg]	2.49 kW/kg
	P_v [W/l]	3.84 kW/l
Internal Resistance (ESR)	AC(1kHz)	16 mΩ
	DC(0.3A)	20 mΩ
Max. Leakage Current, LC(72h, , 25°C)		100 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) P_d : Power density = $(0.12XE^2/R_d)/M$, E: Charge Voltage, R_d : Internal Resistance(DC)

P_v : Power Volume = $(0.12XE^2/R_d)/V$,

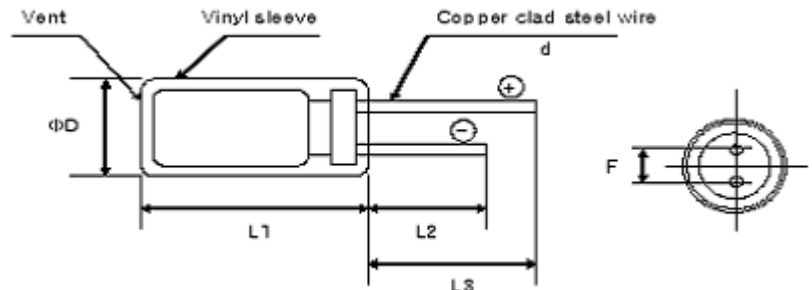
(6) 1cycle: charging to V_R for 20s, constant voltage

(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

2.7V 1F

SCDR2R7105

■ Features



ØD	Ød	L1	L2	L3	F
8±0.3	0.6±0.05	13±1.5	20±1.0	26±1.0	4±0.5

■ Specifications

Rated Voltage, V_R		2.7
Rated Capacitance, C (DCC ^① , 25°C)		1 F, (-20%/+40%)
Dimensions		Ø8 X 13 mm
Volume		0.65 ml
Weight		1.1 g
Operating temperature range ^②		-40°C ~ +60°C
Storage temperature range		-40°C ~ +70°C
Rated Current (25°C) ^③		0.33 A
Max. Current (25°C) ^④		1.75 A
Max. Storage Energy (at V_R)		3.645 J (0.0010Wh)
Specific Energy	Gravimetric	1.01 Wh/kg
	Volumetric	1.56 Wh/l
Specific Power ^⑤	Pd[W/Kg]	4.56 kW/kg
	Pv[W/l]	7.01 kW/l
Internal Resistance (ESR)	AC(1kHz)	200 mΩ
	DC(0.3A)	400 mΩ
Max. Leakage Current, LC(1h, 25°C)		150 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = (0.12XE2/Rd)/M, E: Charge Voltage, Rd : Internal Resisatnce(DC)

Pv : Power Volume = (0.12XE2/Rd)/V,

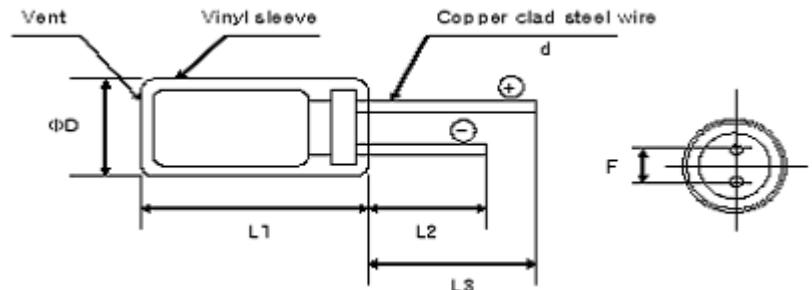
(6) 1cycle: charging to V_R for 20s, constant voltage

(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

2.7V 3F

SCDR2R7305

■ Features



ØD	Ød	L1	L2	L3	F
8±0.3	0.6±0.05	20±1.5	20±1.0	26±1.0	4±0.5

■ Specifications

Rated Voltage, V_R		2.7
Rated Capacitance, C (DCC ^① , 25°C)		3 F, (-20%/+40%)
Dimensions		Ø8 X 20mm
Volume		1.0 ml
Weight		1.4 g
Operating temperature range ^②		-40°C ~ +60°C
Storage temperature range		-40°C ~ +70°C
Rated Current (25°C) ^③		0.79 A
Max. Current (25°C) ^④		3.1 A
Max. Storage Energy (at V_R)		10.935 J (0.003 Wh)
Specific Energy	Gravimetric	2.17 Wh/kg
	Volumetric	3.04 Wh/l
Specific Power ^⑤	Pd[W/Kg]	8.68 kW/kg
	Pv[W/l]	12.15 kW/l
Internal Resistance (ESR)	AC(1kHz)	75 mΩ
	DC(0.3A)	160 mΩ
Max. Leakage Current, LC(1h, 25°C)		250 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = $(0.12XE^2/Rd)/M$, E: Charge Voltage, Rd : Internal Resisatnce(DC)

Pv : Power Volume = $(0.12XE^2/Rd)/V$,

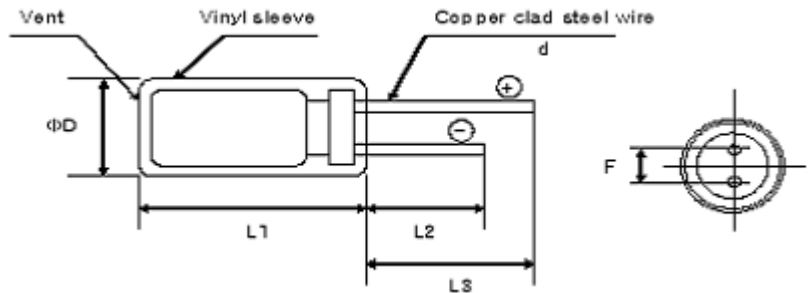
(6) 1cycle: charging to V_R for 20s, constant voltage

(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

2.7V 5F

SCDR2R7505

■ Features



ϕD	ϕd	L1	L2	L3	F
8±0.3	0.6±0.05	25±1.5	20±1.0	26±1.0	4±0.5

■ Specifications

Rated Voltage, V_R		2.7
Rated Capacitance, C (DCC ^① , 25°C)		5 F, (-20%/+40%)
Dimensions		Ø8 X 25mm
Volume		1.25 ml
Weight		2 g
Operating temperature range ^②		-40°C ~ +60°C
Storage temperate range		-40°C ~ +70°C
Rated Current (25°C) ^③		1.2 A
Max. Current (25°C) ^④		4.9 A
Max. Storage Energy (at V_R)		18.225J (0.005Wh)
Specific Energy	Gravimetric	3.38 Wh/kg
	Volumetric	4.05 Wh/l
Specific Power ^⑤	Pd[W/Kg]	9.35 kW/kg
	Pv[W/l]	11.22 kW/l
Internal Resistance (ESR)	AC(1kHz)	65 mΩ
	DC(0.3A)	130 mΩ
Max. Leakage Current, LC(1h , 25°C)		300 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = (0.12XE2/Rd)/M, E: Charge Voltage, Rd : Internal Resisatnce(DC)

Pv : Power Volume = (0.12XE2/Rd)/V,

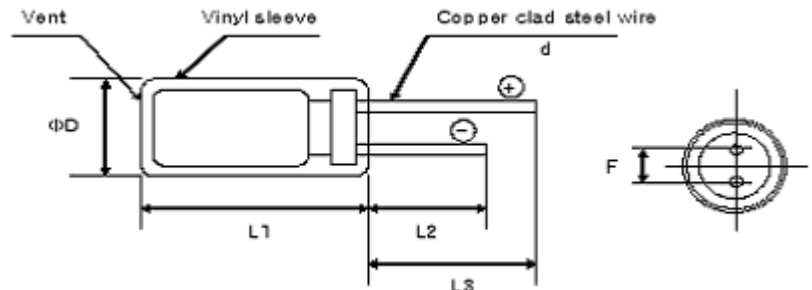
(6) 1cycle: charging to V_R for 20s, constant voltage

(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

2.7V 7F

SCDR2R7705

■ Features



ØD	Ød	L1	L2	L3	F
10±0.3	0.6±0.05	20±1.5	20±1.0	26±1.0	5±0.5

■ Specifications

Rated Voltage, V_R		2.7
Rated Capacitance, C (DCC ^① , 25°C)		7 F, (-20%/+40%)
Dimensions		Ø10 X 20 mm
Volume		1.57 ml
Weight		2.2 g
Operating temperature range ^②		-40°C ~ +60°C
Storage temperature range		-40°C ~ +70°C
Rated Current (25°C) ^③		1.4 A
Max. Current (25°C) ^④		7 A
Max. Storage Energy (at V_R)		25.515J (0.0071 Wh)
Specific Energy	Gravimetric	3.22 Wh/kg
	Volumetric	4.51 Wh/l
Specific Power ^⑤	Pd[W/Kg]	8.28 kW/kg
	Pv[W/l]	11.61 kW/l
Internal Resistance (ESR)	AC(1kHz)	50 mΩ
	DC(0.3A)	100 mΩ
Max. Leakage Current, LC(1h, 25°C)		370 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = $(0.12XE^2/Rd)/M$, E: Charge Voltage, Rd : Internal Resisatnce(DC)

Pv : Power Volume = $(0.12XE^2/Rd)/V$,

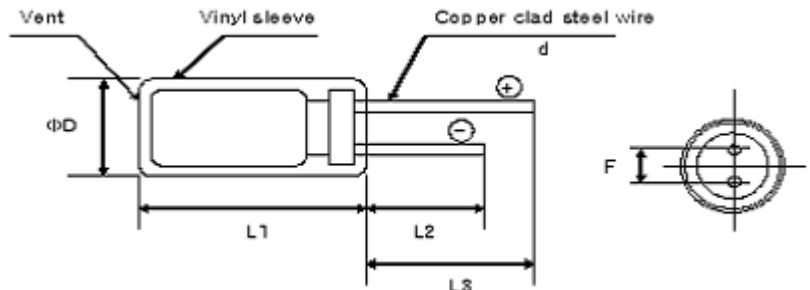
(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(6) 1cycle: charging to V_R for 20s, constant voltage

2.7V 10F

SCDR2R7106

■ Features



ØD	Ød	L1	L2	L3	F
10±0.3	0.6±0.05	25±1.5	20±1.0	26±1.0	5±0.5

■ Specifications

Rated Voltage, V_R		2.7
Rated Capacitance, C (DCC ^① , 25°C)		10 F, (-20%/+40%)
Dimensions		Ø10 X 25 mm
Volume		1.96 ml
Weight		2.8 g
Operating temperature range ^②		-40°C ~ +60°C
Storage temperate range		-40°C ~ +70°C
Rated Current (25°C) ^③		2.1 A
Max. Current (25°C) ^④		8.3 A
Max. Storage Energy (at V_R)		36.45 J (0.0101 Wh)
Specific Energy	Gravimetric	3.62 Wh/kg
	Volumetric	5.17 Wh/l
Specific Power ^⑤	Pd[W/Kg]	7.23 kW/kg
	Pv[W/l]	9.89 kW/l
Internal Resistance (ESR)	AC(1kHz)	35 mΩ
	DC(0.3A)	70 mΩ
Max. Leakage Current, LC(1h, 25°C)		750 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = $(0.12XE^2/Rd)/M$, E: Charge Voltage, Rd : Internal Resisatnce(DC)

Pv : Power Volume = $(0.12XE^2/Rd)/V$,

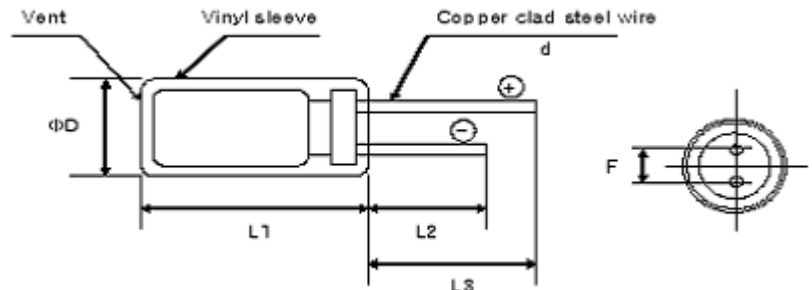
(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(6) 1cycle: charging to V_R for 20s, constant voltage

2.7V 15F

SCDR2R7156

■ Features



ØD	Ød	L1	L2	L3	F
12.5±0.3	0.6±0.05	25±1.5	20±1.0	26±1.0	5±0.5

■ Specifications

Rated Voltage, V_R		2.7
Rated Capacitance, C (DCC ^① , 25°C)		15 F, (-20%/+40%)
Dimensions		Ø12.5 X 25mm
Volume		3.07 ml
Weight		4.2 g
Operating temperature range ^②		-40°C ~ +60°C
Storage temperature range		-40°C ~ +70°C
Rated Current (25°C) ^③		3.9 A
Max. Current (25°C) ^④		13 A
Max. Storage Energy (at VR)		54.675 J(0.0152 Wh)
Specific Energy	Gravimetric	3.62 Wh/kg
	Volumetric	3.91 Wh/l
Specific Power ^⑤	Pd[W/Kg]	8.68 kW/kg
	Pv[W/l]	11.87 kW/l
Internal Resistance (ESR)	AC(1kHz)	30 mΩ
	DC(0.3A)	50 mΩ
Max. Leakage Current, LC(1h, , 25°C)		960 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC \ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = $(0.12XE2/Rd)/M$, E: Charge Voltage, Rd : Internal Resistance(DC)

Pv : Power Volume = $(0.12XE2/Rd)/V$,

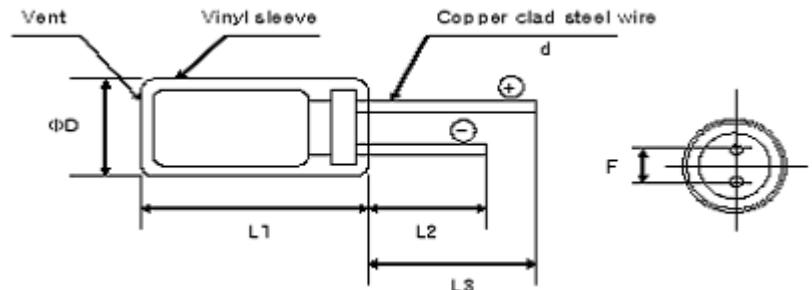
(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(6) 1cycle: charging to V_R for 20s, constant voltage

2.7V 25F

SCDR2R7256

■ Features



ØD	Ød	L1	L2	L3	F
16.0±0.3	0.8±0.05	25±1.5	21±1.0	28±1.0	8.0±0.5

■ Specifications

Rated Voltage, V_R		2.7
Rated Capacitance, C (DCC ^① , 25°C)		25 F, (-20%/+40%)
Dimensions		Ø16 X 25mm
Volume		5.02 ml
Weight		7.0 g
Operating temperature range ^②		-40°C ~ +60°C
Storage temperature range		-40°C ~ +70°C
Rated Current (25°C) ^③		6.2 A
Max. Current (25°C) ^④		21 A
Max. Storage Energy (at VR)		91.125 J(0.0253 Wh)
Specific Energy	Gravimetric	3.61 Wh/kg
	Volumetric	5.04 Wh/l
Specific Power ^⑤	Pd[W/Kg]	6.51 kW/kg
	Pv[W/l]	9.08 kW/l
Internal Resistance (ESR)	AC(1kHz)	20 mΩ
	DC(0.3A)	40 mΩ
Max. Leakage Current, LC(72h, , 25°C)		80 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) Pd : Power density = $(0.12XE2/Rd)/M$, E: Charge Voltage, Rd : Internal Resistance(DC)

Pv : Power Volume = $(0.12XE2/Rd)/V$,

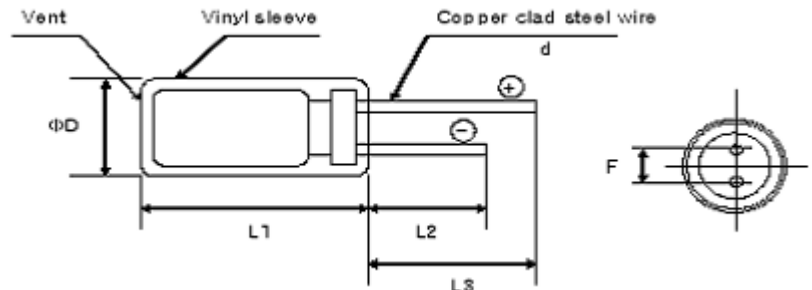
(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(6) 1cycle: charging to V_R for 20s, constant voltage

2.7V 35F

SCDR2R7356

■ Features



ΦD	Φd	L1	L2	L3	F
16.0±0.3	0.8±0.05	35±1.5	21±1.0	28±1.0	6±0.5

■ Specifications

Rated Voltage, V_R		2.7
Rated Capacitance, C (DCC ^① , 25°C)		35 F, (-20%/+40%)
Dimensions		Ø16 X 35mm
Volume		7.03 ml
Weight		8.9 g
Operating temperature range ^②		-40°C ~ +60°C
Storage temperature range		-40°C ~ +70°C
Rated Current (25°C) ^③		8.2 A
Max. Current (25°C) ^④		24.5 A
Max. Storage Energy (at V_R)		127.58 J(0.0354 Wh)
Specific Energy	Gravimetric	4.00 Wh/kg
	Volumetric	5.04 Wh/l
Specific Power ^⑤	P_d [W/Kg]	5.19 kW/kg
	P_v [W/l]	6.48 kW/l
Internal Resistance (ESR)	AC(1kHz)	18 mΩ
	DC(0.3A)	40 mΩ
Max. Leakage Current, LC(72h, , 25°C)		90 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) P_d : Power density = $(0.12XE^2/R_d)/M$, E: Charge Voltage, R_d : Internal Resistance(DC)

P_v : Power Volume = $(0.12XE^2/R_d)/V$,

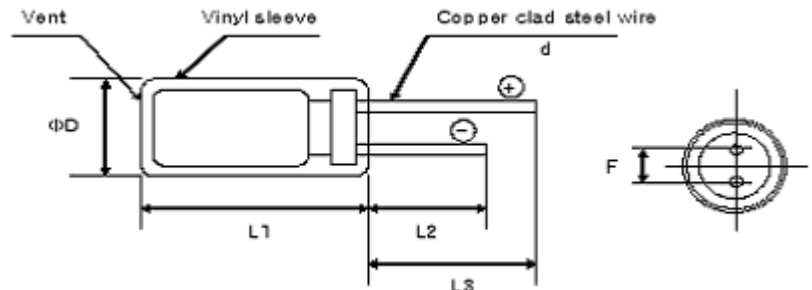
(6) 1cycle: charging to V_R for 20s, constant voltage

(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

2.7V 50F

SCDR2R7506

■ Features



ØD	Ød	L1	L2	L3	F
18.0±0.3	0.8±0.02	40±1.5	21±1.0	28±1.0	8±0.5

■ Specifications

Rated Voltage, V_R		2.7
Rated Capacitance, C (DCC ^① , 25°C)		50 F, (-20%/+40%)
Dimensions		Ø18 X 40mm
Volume		10.17 ml
Weight		12.2 g
Operating temperature range ^②		-40°C ~ +60°C
Storage temperature range		-40°C ~ +70°C
Rated Current (25°C) ^③		11 A
Max. Current (25°C) ^④		34 A
Max. Storage Energy (at V_R)		182.25 J(0.0506 Wh)
Specific Energy	Gravimetric	4.15 Wh/kg
	Volumetric	4.97 Wh/l
Specific Power ^⑤	P_d [W/Kg]	4.98 kW/kg
	P_v [W/l]	5.97 kW/l
Internal Resistance (ESR)	AC(1kHz)	17 mΩ
	DC(0.3A)	30 mΩ
Max. Leakage Current, LC(72h, , 25°C)		95 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) P_d : Power density = $(0.12XE^2/R_d)/M$, E: Charge Voltage, R_d : Internal Resistance(DC)

P_v : Power Volume = $(0.12XE^2/R_d)/V$,

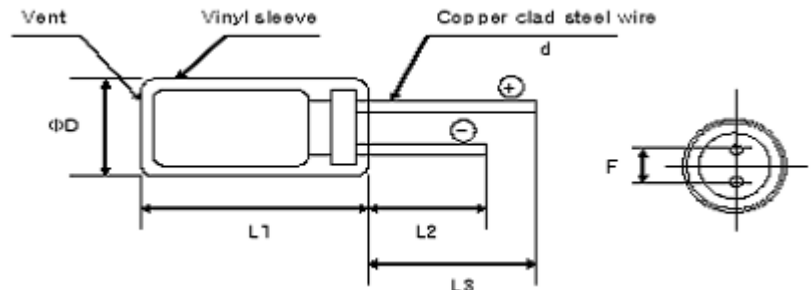
(6) 1cycle: charging to V_R for 20s, constant voltage

(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

2.7V 70F

SCDR2R7706

■ Features



ϕD	ϕd	L1	L2	L3	F
18.0±0.3	0.8±0.02	40±1.5	21±1.0	28±1.0	8±0.5

■ Specifications

Rated Voltage, V_R		2.7
Rated Capacitance, C (DCC ^① , 25°C)		70 F, (-20%/+40%)
Dimensions		Ø18 X 40 mm
Volume		10.17 ml
Weight		14.2 g
Operating temperature range ^②		-40°C ~ +60°C
Storage temperature range		-40°C ~ +70°C
Rated Current (25°C) ^③		13 A
Max. Current (25°C) ^④		40.2 A
Max. Storage Energy (at V_R)		255.15J (0.0709 Wh)
Specific Energy	Gravimetric	5.03 Wh/kg
	Volumetric	7.00 Wh/l
Specific Power ^⑤	P_d [W/Kg]	8.08 kW/kg
	P_v [W/l]	11.20 kW/l
Internal Resistance (ESR)	AC(1kHz)	16 mΩ
	DC(0.3A)	25 mΩ
Max. Leakage Current, LC(72h, , 25°C)		100 uA
Life Time at RT ^⑥		10 years
Cycle Life at RT ^⑦		100,000 Cycles

(1) DCC\ : Discharging with constant current

(2) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C

(3) 5 sec discharge rate to 1/2 V_R

(4) 1 sec discharge rate to 1/2 V_R

(5) P_d : Power density = $(0.12XE^2/R_d)/M$, E: Charge Voltage, R_d : Internal Resistance(DC)

P_v : Power Volume = $(0.12XE^2/R_d)/V$,

(6) 1cycle: charging to V_R for 20s, constant voltage

(7) $|\Delta C| < 30\%$ and ESR < 4 times of initially measured value at 25°C