

FEATURES

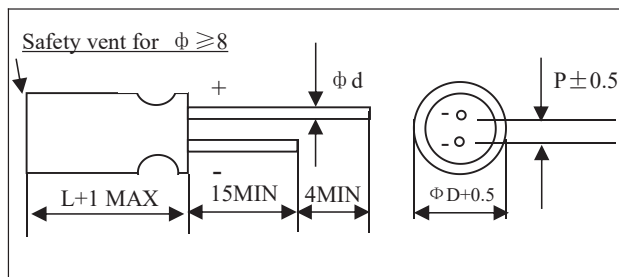
- 1、The SS series is employing etched foils for higher gain effect.
- 2、Designed for use in VTRs, car radios, car stereos, micro-cassette tape recorders, pocket calculators and watches.

SPECIFICATIONS

Item	Performance Characteristics																																					
Operating Temperature Range	-40 to +85℃																																					
Rated Working voltage Range	6.3 to 50V																																					
Nominal Capacitance Range	0.1 to 470(uF)																																					
Capacitance Tolerance	±20%（120Hz, +20℃）																																					
Leakage Current	whichever is greater measured after 2 minutes application I≤0.01CV or 3(uA) of rated working voltage at +20℃																																					
Dissipation Factor tan δ (120Hz+20℃)	<table><tr><td>Working voltage(V)</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>Tan δ (max.)</td><td>0.35</td><td>0.24</td><td>0.21</td><td>0.18</td><td>0.15</td><td>0.12</td><td>0.10</td></tr></table>								Working voltage(V)	4	6.3	10	16	25	35	50	Tan δ (max.)	0.35	0.24	0.21	0.18	0.15	0.12	0.10														
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Low Temperature Characteristics	Impedance ratio max.at 120Hz <table><tr><td>Working voltage(V)</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>Z-25℃/Z+20℃</td><td>6</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z-40℃/Z+20℃</td><td>12</td><td>8</td><td>6</td><td>4</td><td>4</td><td>3</td><td>3</td></tr></table>								Working voltage(V)	4	6.3	10	16	25	35	50	Z-25℃/Z+20℃	6	4	3	2	2	2	2	Z-40℃/Z+20℃	12	8	6	4	4	3	3						
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Multiplier for Ripple Current vs. Frequency	<table><tr><td colspan="2">CAP(uF)\Hz</td><td>60(50)</td><td>120</td><td>400</td><td>1K</td><td>10K</td><td>50K-100K</td></tr><tr><td rowspan="3">Multiplier</td><td>CAP≤10</td><td>0.8</td><td>1</td><td>1.30</td><td>1.45</td><td>1.65</td><td>1.70</td></tr><tr><td>10<CAP≤100</td><td>0.8</td><td>1</td><td>1.23</td><td>1.36</td><td>1.48</td><td>1.53</td></tr><tr><td>100<CAP≤1000</td><td>0.8</td><td>1</td><td>1.16</td><td>1.25</td><td>1.35</td><td>1.38</td></tr></table>								CAP(uF)\Hz		60(50)	120	400	1K	10K	50K-100K	Multiplier	CAP≤10	0.8	1	1.30	1.45	1.65	1.70	10<CAP≤100	0.8	1	1.23	1.36	1.48	1.53	100<CAP≤1000	0.8	1	1.16	1.25	1.35	1.38
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Multiplier for Ripple Current vs. Temperature	<table><tr><td>Temperature℃</td><td>45</td><td>60</td><td>70</td><td>85</td></tr><tr><td>Multiplier</td><td>1.80</td><td>1.50</td><td>1.30</td><td>1.0</td></tr></table>								Temperature℃	45	60	70	85	Multiplier	1.80	1.50	1.30	1.0																				
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High temperature Loading	Test conditions Duration :2000 hours Ambient temperature :+85℃ Applied voltage :Rated DC working voltage Post test requirements at +20℃ Leakage current : ≤ Initial specified value Capacitance change : ≤ ±20% of initial measured tan δ : ≤200% of initial specified value																																					
Shelf life	Test conditions Duration :1000 hours Ambient temperature :+85℃ Applied voltage : (None) Post test requirements at +20℃ Same Limits for high temperature loading																																					
Others	JIS C-5141 JIS C-5102																																					

CASE SIZE TABLE

Unit:mm



D ϕ	4	5	6.3	8
P	1.5	2.0	2.5	3.5
d ϕ (± 0.05)	0.45	0.45	0.45	0.5

DIMENSIONS

$\Phi D \times L$ (mm)

Cap.(uF)	WV(SV) Code	6.3V(8)		10V(13)		16V(20)	
		0J		1A		1C	
10	106					4×7	28
22	226	4×7	34	4×7	35	4×7	39
33	336	4×7	40	4×7	43	(4)5×7	(45)59
47	476	4×7	48	(4)5×7	(45)59	(4)5×7	(58)65
100	157	5×7	78	(5)6.3×7	(74)87	(5)6.3×7	(85)98
220	227	6.3×7	120	(6.3)8×7	(138)145	(6.3)8×7	(165)186
330	337	8×7(9)	180(204)	8×7(9)	201(220)	8×7(9)	(215)230
470	477	8×7(9)	215(215)	8×7(9)	230(240)	Case Size	Allowable ripple

$\Phi D \times L$ (mm)

Cap.(uF)	WV(SV) Code	25V(32)		35V(44)		50V(63)	
		1E		1V		1H	
0.1	104					4×7	1.0
0.22	224					4×7	2.3
0.33	334					4×7	3.5
0.47	474					4×7	5.0
1	105					4×7	10
2.2	225					4×7	19
3.3	335					4×7	24
4.7	475			4×7	24	4×7	28
10	106	4×7	28	4×7	31	5×7	38
22	226	(4)5×7	(42)48	5×7	52	6.3×7	58
33	336	5×7	58	6.3×7	65	8×7(9)	75(85)
47	476	(5)6.3×7	(68)71	(6.3)8×7	85(96)	8×9	101
100	107	(6.3)8×7	(105)115	8×9	141	Case Size	Allowable ripple

Allowable Ripple (mA rms)at 85°C 120Hz