

SPD Series

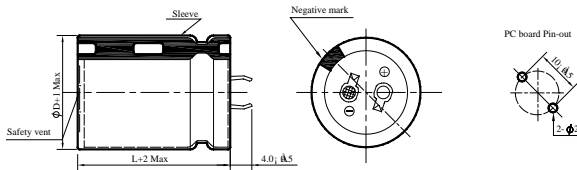
- Smaller size with higher ripple current.
- Load life 3,000 hours at 105 °C.
- Suitable for LCD and PDP.

◆ SPECIFICATIONS

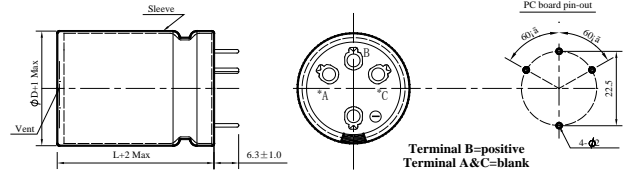
Item	Performance Characteristics								
Category Temperature Range	-25 ~ +105°C								
Working Voltage Range	400 ~ 450Vdc								
Capacitance Range	82 ~ 330μF								
Capacitance Tolerance	±20% (at 25°C and 120Hz)								
Dissipation Factor (tanδ) (at 25°C, 120Hz)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>400</td> <td>420</td> <td>450</td> </tr> <tr> <td>tanδ(Max)</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> </tr> </table>	Rated Voltage (V)	400	420	450	tanδ(Max)	0.20	0.20	0.20
	Rated Voltage (V)	400	420	450					
tanδ(Max)	0.20	0.20	0.20						
The above value should be increased by 0.02 for every additional 1000uF									
Leakage Current	I=0.02CV or 3000μA, whichever is smaller I : Leakage current (μA) C : Rated capacitance (μF) V : Rated voltage (V) Impress the rated voltage for 5 minutes.								
Endurance	The following requirements shall be satisfied when the capacitor are restored to 25°C after the rated voltage applied for 3,000 hours at 105°C.								
	<table border="1"> <tr> <td>Capacitance change</td> <td>≒ ±20% of the initial value</td> </tr> <tr> <td>Dissipation factor(tanδ)</td> <td>≒ 200% of the specified value</td> </tr> <tr> <td>Leakage current</td> <td>≒ specified value</td> </tr> </table>	Capacitance change	≒ ±20% of the initial value	Dissipation factor(tanδ)	≒ 200% of the specified value	Leakage current	≒ specified value		
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	Dissipation factor(tanδ)	≒ 200% of the specified value							
Leakage current	≒ specified value								
The following requirements shall be satisfied when the capacitor are restored to 25°C after exposing them for 1,000 hours at 105°C without voltage applied.									
<table border="1"> <tr> <td>Capacitance change</td> <td>≒ ±20% of the initial value</td> </tr> <tr> <td>Dissipation factor(tanδ)</td> <td>≒ 200% of the specified value</td> </tr> <tr> <td>Leakage current</td> <td>≒ 200% of the specified value</td> </tr> </table>	Capacitance change	≒ ±20% of the initial value	Dissipation factor(tanδ)	≒ 200% of the specified value	Leakage current	≒ 200% of the specified value			
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Dissipation factor(tanδ)	≒ 200% of the specified value								
Leakage current	≒ 200% of the specified value								
Shelf Life									
Others	Conforms to JIS-C-5101-4 (1998), characteristic W.								

◆ DIMENSIONS (mm)

Terminal Code : ND : Standard

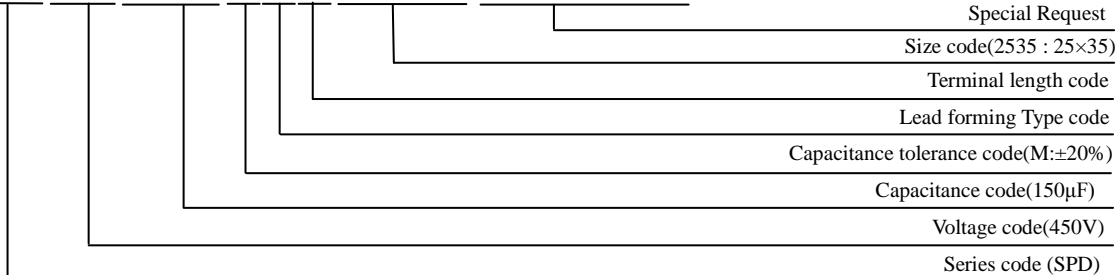


Terminal Code :K6 (ø35)



◆ PART NUMBERING SYSTEM(Example : 450V 150μF)

S P D 2 W 1 5 1 M N D 2 5 3 5



SPD Series

◆ Case size & Permissible rated ripple current (mA rms) 120Hz / 105°C:

Vdc ΦD uF		400						Vdc ΦD uF		420					
		Φ 25		Φ 30		Φ35				Φ 25		Φ30		Φ35	
		ΦD×L	RC	ΦD×L	RC	ΦD×L	RC			ΦD×L	RC	ΦD×L	RC		
100		25×25	700	30×20	620			100		25×25	700	30×20	590		
120		25×25	780	30×25	730	35×20	710	120		25×30	750	30×25	730	35×20	690
150		25×30	880	30×25	880	35×20	800	150		25×30	860	30×25	830	35×20	750
180				30×30	980	35×25	940	180				30×30	910	35×25	900
220				30×30	1100	35×25	1050	220				30×30	1050	35×25	1000
270						35×30	1220	270						35×30	1150
330						35×35	1440	330						35×35	1400

Vdc ΦD uF		450					
		Φ 25		Φ 30		Φ35	
		ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
82		25×25	620	30×20	580		
100		25×30	680	30×25	600		
120		25×30	780	30×25	750	35×20	730
150		25×35	840	30×30	820	35×25	750
180						35×30	860
220						35×30	1010
270						35×35	1200

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)				
	50/60	120	1K	10K	100K
400 ~ 450	0.80	1.00	1.10	1.12	1.15