

SDA series

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- 105°C 2000 hours , On the basis of SD series ripple promotion product
- Suitable for LCD TV Power ,SMPS
- RoHS Compliance
- 105°C 2000小時壽命，在SD 系列基礎上紋波提升品
- 適用於液晶顯示電源及開關電源等



SPECIFICATIONS

Items 項 目	Characteristics 特 性				
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20℃)				
Operating Temperature Range 適用溫度範圍	-40 ~ +105℃			-25 ~ +105℃	
Rated Voltage Range 額定電壓範圍	400VDC			450 ~ 500VDC	
Leakage Current 洩漏電流	$I \leq 0.03CV + 20 (\mu A)$ (After 3 minutes application of DC rated voltage, at 20 ℃)				
Dissipation Factor 散逸因素($\tan \delta$)	Measurement Frequency: 120Hz. Temperature: 20℃				
	Rated Voltage(V)	400	450	460	500
	$\tan \delta$ (Max)	0.15	0.20	0.20	0.20
	When nominal capacitance over 1000μF, $\tan \delta$ shall be added 0.02 to the listed value with increase of every 1000μF .				
Low Temperature Stability 低溫特性 Impedance Ratio(Max) 阻抗比率(最大值)	Measurement Frequency: 120Hz.				
	Rated Voltage(V)	400	450	460	500
	Z(-25℃)/Z(20℃)	3	3	6	6
	Z(-40℃)/Z(20℃)	6	-	-	-
Load Life 負荷壽命	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied for 2,000 hours at 105℃.				
	Capacitance Change	Within ± 20% of Initial Value			
	$\tan \delta$	200% or less of Initial Specified Value			
	Leakage Current	Initial Specified Value or less			
Shelf Life 放置壽命	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours 105℃ without voltage applied. Before the measurement. The capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.				
	Capacitance Change	Within ± 20% of Initial Value			
	$\tan \delta$	200% or less of Initial Specified Value			
	Leakage Current	Initial Specified Value or less			
Standards 參照標準	IEC 60384-4(JIS C 5101-4)				

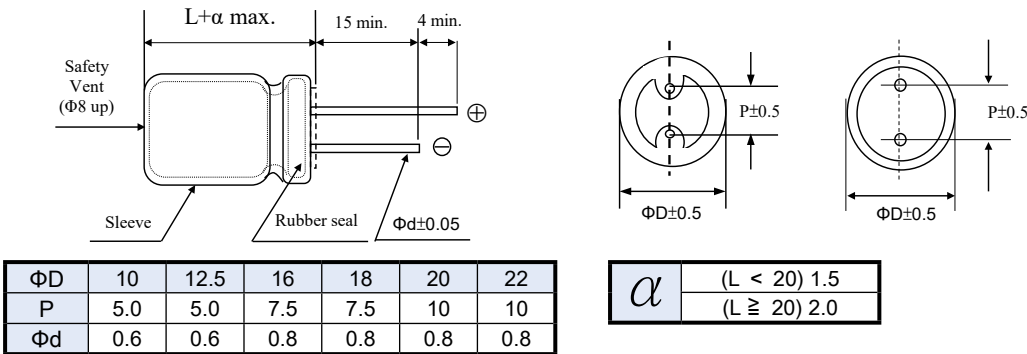
Frequency Coefficient of Permissible Ripple Current

Capacitance (μF)	Frequency (Hz)				
	120	10K	30K	50K	100K
10 ~ 150	1.00	1.50	1.60	1.75	2.00

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DIMENSIONS(mm)



STANDARD RATINGS

DxL(mm), R.C.(mA rms) at 105°C 120Hz & 100kHz.

Cap (μ F)	V Item	400				450				460				500			
		D x L		R.C.		D x L		R.C.		D x L		R.C.		D x L		R.C.	
				120Hz	100kHz			120Hz	100kHz			120Hz	100kHz			120Hz	100kHz
10		10x16		120	240	10x20		170	340	10x20		150	300	12.5x20		83	166
15		10x20		230	460	12.5x20		230	460	12.5x20		200	400	12.5x20		110	220
22		12.5x20		300	600	12.5x20		350	700	12.5x25		350	700	12.5x25		200	400
33		12.5x20		380	760	12.5x25		400	800	16x25		480	960	16x25		300	600
47		12.5x25		400	800	16x25		530	1060	18x26		530	1060	18x26		330	660
56		16x25		550	1100	18x26		630	1260	18x26		600	1200	18x31.5		350	700
68		16x25		700	1400	18x31.5		690	1380	18x31.5		690	1380	18x35.5		480	960
82		18x26		780	1560	18x31.5		750	1500	18x31.5		750	1500	18x40		590	1180
100		18x31.5		830	1660	18x35.5		800	1600	18x35.5		800	1600	18x45		680	1360
120		18x35.5		900	1800	18x40		950	1900	18x40		950	1900	20x45		730	1460
150		18x40		1000	2000	18x45		1050	2100	20x45		1300	2600	22x45		780	1560

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