

SD 中高压特长寿命品 (CD265型)



● 105°C 负荷寿命达8000-10000小时

Load life 8000-10000 hours at 105°C.

● 适用于电子整流, 开关电源, 工业测量仪器, 自动化应用等电路。

Used in electronic ballast, switching power supply, industrial measuring instruments, automotive applications, etc.

Specifications

项目 Item	特性 Characteristics						
工作温度范围 Operating temperature range	-25°C~+105°C						
额定电压范围 Rated voltage range	160V~450V DC						
静电容量范围 Nominal capacitance range	10μF~320μF						
静电容量误差 Capacitance tolerance	±20% (120Hz·20°C)						
漏电流 (20°C) leakage current(20°C)	I ≤ 0.03CV + 10μA (whichever is greater) after 3minute						
	I: Leakage current C: Normal capacitance V: Rated voltage						
损耗角正切 Dissipation factor (120Hz·20°C)	Rated voltage(V)	160	200	250	350	400	450
	tgδ(MAX)	0.15	0.15	0.15	0.20	0.20	0.20
低温特性 Low temperature characteristics (Impedance ratio max. at 120Hz)	Rated voltage(v)	160	200	250	350	400	450
	Z _{-25°C} /Z _{+20°C}	3	3	3	6	6	6
高温负荷特性 Load Life	After applying rated voltage for 1000 hours at 105°C then resumed 16 hours:	ΦD		10		≥13	
		Load life		8000h		10000h	
	Capactiance change	Within ±20% of the initial measured value					
	tgδ	≤200% of the initial specified value					
	Leakage current	≤initial specified value					
高温贮存特性 Shelf Life	After storage for 1000 hours at 105°C then resumed 16 hours:						
	Capactiance change	Within ±20% of the initial measured value					
	tgδ	≤200% of the initial specified value					
	Leakage current	≤initial specified value					

Diagram of Dimensions(mm)

	φD	10	13	16	18
	F±0.5	5.0	5.0	7.5	7.5
	φd±0.05	0.6	0.6	0.8	0.8
	α	1.5	1.5	2.0	2.0

Multiplier for Ripple Current vs. Frequency:

CAP(μF)\Hz	50(60)	120	1K	10K	100K
CAP < 100	0.30	0.40	0.70	0.90	1.00
CAP ≥ 100	0.35	0.45	0.75	0.90	1.00

Multiplier for Ripple Current vs. Temperature:

Temperature°C	~55	60	70	85	105
Factor	2.23	2.17	2.00	1.75	1.00

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■ Standard Ratings

WV(Coad)		160V(2C)		200V(2D)		250V(1E)		350V(2V)	
C(uf)	Coad	φD×L	R. C.						
10	100							10×20	350
22	220	10×20	500	10×20	600	10×20	560	13×21	480
33	330	10×20	580	10×20	650	13×21	710	16×21	640
47	470	10×20	750	13×21	790	13×25	920	16×25	800
						16×21	990	18×21	
68	680	13×21	950	13×25	950	16×21	1000	16×32	1100
				16×21	1000			18×25	1000
82	820	13×25	1060	16×21	1100	16×25	1200	18×25	1100
						18×21	1200		
100	101	13×25	1170	16×25	1300	16×32	1500	18×32	1200
		16×21	1280	18×21	1280	18×25	1500		
150	151	16×25	1400	16×25	1400	18×32	1800		
		18×21							
220	221	16×32	1700	18×32	2000	18×40	2100		
		18×25	1500	18×40	2400				
330	331	18×32	2000	18×40	2400				

WV(Coad)		400V(2G)		450V(2W)					
C(uf)	Coad	φD×L	R. C.	φD×L	R. C.				
10	100	10×20	300	13×21	350				
15	150	13×21	410	13×25	560				
22	220	13×25	500	16×21	680				
		16×21	600						
33	330	16×21	730	16×32	850				
				18×25					
47	470	16×25	840	18×32	1000				
		18×21							
68	680	18×32	1200	18×40	1300				
82	820	18×40	1500						

Permit ripple current : (mArms, 105°C, 100KHZ)

Case size: φD×L (mm)