

SG 中高压长寿命品 (CD264型)



- 105°C 负荷寿命达5000小时

Load life 5000 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	1μF~220μF						
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:						
	Capacitance 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	8	10	13	16	18
	F±0.5	3.5	5.0	5.0	7.5	7.5
	φd±0.05	0.5	0.6	0.6	0.8	0.8
	α	1.0	1.5	1.5	2.0	2.0

Multiplier for Ripple Current vs. Frequency:

CAP(μF)\Hz	120	1K	10K	≥10K
CAP<100	0.40	0.75	0.90	1.00
CAP≥100	0.50	0.85	0.94	1.00

Multiplier for Ripple Current vs. Temperature:

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

Standard Ratings

WV(Coad)		160V (2C)		200V (2D)		250V (1E)		350V(2V)	
C(uf)	Coad	D×L	R. C.	D×L	R. C.	D×L	R. C.	D×L	R. C.
4.7	4R7					8×12	160	10×13	160
6.8	6R8					10×13	250	10×17	280
10	100	10×17	320	10×17	320	10×17	320	10×20	350
22	220	10×20	500	10×20	500	10×20	500	13×21	650
33	330	10×20	650	10×20	650	13×21	800	16×21	900
47	470	10×20	750	13×21	980	13×21	980	16×21	1080
68	680	13×21	1180	13×25	1300	16×21	1300	18×25	1470
				16×21					
82	820			16×21	1380	16×21	1380	18×25	1530
100	101	13×25	1420	16×21	1420	16×25	1530		
		16×21							
150	151	16×25	1890	16×25	1890	18×25	1940		
220	221	18×25	2370	18×32	2648				

WV(Coad)		400V(2G)		450V (2W)					
C(uf)	Coad	D×L	R. C.	D×L	R. C.				
1	010	8×12	60						
		10×13	70						
1.5	1R5	8×12	90						
		10×13	100						
1.8	1R8	8×12	95						
		10×13	120						
2.2	2R2	8×12	95						
		10×13	140						
3.3	3R3	10×13	150						
		10×17	180						
4.7	4R7	10×17	220	10×20	220				
5.6	5R6	10×17	250	10×20	250				
6.8	6R8	10×17	280	10×20	280				
10	100	10×20	350	13×21	450				
15	150	13×21	550	13×25	600				
22	220	13×25	760	16×21	730				
		16×21							
33	330	16×21	900	16×25	980				
47	470	16×25	1180	18×25	1200				
		18×21							
68	680	18×25	1470						

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

Case size: D×L (mm)