

TR 宽温度、通用型 (CD210型) Wide temperature, for general purpose (CD210 Series)

- 105°C, 标准尺寸。
105°C, standard size.
- 适用于彩显、开关电源及通讯设备等。
Used in color display, switching power supply, communication sets etc.



项目 Item	特性 Characteristics													
尺寸及其误差 Size and its tolerance 	øD	5	6	8	10	13	16	18	≥ø8 壳防爆 ≥ø8 with safety vent PVC套管 PVC sleeve					
	F±0.5	2	2.5	3.5	5.0	7.5								
	ød±0.1	0.5			0.6		0.8							
	α	1.0			1.5		2.0							
	β	0.5			0.8		1.0							
工作温度范围 Operating temperature range	-40 ~ +105°C					-25 ~ +105°C								
额定电压范围 Rated voltage range	6.3V ~ 100V DC					160V ~ 250V DC								
静电容量范围 Nominal capacitance range	0.1μF ~ 10000μF					0.1μF ~ 220μF								
静电容量误差 Capacitance tolerance	± 20% (100Hz·20°C)													
漏电流(20°C) Leakage current(20°C)	I≤0.01CV 或 3μA 1分钟 I≤0.01CV 或 3μA after 1 minute (取其较大值) (whichever is greater)					I≤0.03CV 或 10μA 3分钟 I≤0.03CV or 10μA after 3 minutes (取其较大值) (whichever is greater)								
	I:允许漏电流 Leakage current					C:标称静电容量 Normal capacitance					V:额定工作电压 Rated voltage			
损耗角正切(tgδ) Dissipation factor (100Hz, 20°C)	额定电压(V) Rated voltage (V)	6.3	10	16	25	35	50	63	100	160-250				
	tgδ	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.20				
	静电容量大于1000μF者, 每增加1000μF tgδ增加0.02 For capacitance value > 1000μF, add 0.02 per another 1000 μF													
浪涌电压 Surge voltage (20°C)	额定电压(V) Rated voltage (V)	6	10	16	25	35	50	63	100	160, 250				
	浪涌电压(V) Surge voltage (V)	8	13	20	32	44	63	79	125	200, 300				
温度特性 Temperature characteristics (阻抗比) (Impedance ratio at 100Hz)	额定电压(V) Rated voltage (V)	6	10	16	25	35	50	63	100	160-250				
	Z-25°C/Z+20°C	5	4	3	2				3					
高温负荷特性 Endurance	105°C, 施加额定电压1000小时, 恢复16小时后电容器应满足下表: After applying rated voltage for 1000 hours at 105°C then resumed 16 hours:													
	静电容量变化 Capacitance change	在初期值的±20%范围内					Within ±20% of the initial measured value							
	tgδ	< 初期规定值的150%					≤ 150% of the initial specified value							
高温贮存特性 Shelf life	105°C, 贮存500小时, 恢复16小时后电容器应满足下表: After storage for 500 hours at 105°C then resumed 16 hours:													
	静电容量变化 Capacitance change	在初期值的±20%范围内					Within ±20% of the initial measured value							
	tgδ	< 初期规定值的150%					≤ 150% of the initial specified value							
漏电流 Leakage current	< 初期规定值					≤ initial specified value								
	< 初期规定值的200%					≤ 200% of the initial specified value								

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- 外型尺寸
Case size
- 允许纹波电流
Permit ripple current

C(μF)	WV(V) 代码	DxL(mm)									
		6.3		10		16		25		35	
		0J		1A		1C		1E		1V	
6.8	6R8							5X11	24		
10	100					5X11	20	5X11	36	5X11	32
22	220			5X11	37	5X11	41	5X11	44	5X11	52
33	330	5X11	41	5X11	46	5X11	51	5X11	60	5X11	64
47	470	5X11	50	5X11	54	5X11	67	5X11	70	5X11	85
68	680	5X11	60	5X11	72	5X11	90	5X11	95	6X12	115
100	101	5X11	80	5X11	85	6X12	110	6X12	110	8X12	140
220	221	5X11	136	6X12	143	8X13	180	8X12	220	10X13	270
330	331	6X12	187	8X12	200	8X12	250	10X13	300	10X16	350
470	471	8X12	213	8X12	280	10X13	330	10X16	400	10X20	480
680	681	10X13	340	10X16	360	10X20	450	13X20	475	13X25	600
1000	102	10X16	400	10X16	480	10X20	550	13X20	720	13X25	750
2200	222	10X20	700	13X20	850	13X25	900	16X25	1200	16X32	1300
3300	332	13X20	950	13X25	1100	16X25	1200	16X32	1500	18X36	1572
4700	472	16X25	1100	16X25	1300	16X32	1600	18X36	1736		
6800	682	16X25	1400	16X32	1600	18X36	1954	18X40			
10000	103	16X32	1800	18X36	2119	18X40		22X40			

C(μF)	WV(V) 代码	DxL(mm)									
		50		63		100		160		250	
		1H		1J		2A		2C		2E	
0.1	0R1	5X11	3			5X11	4	6X12	3.3	6X12	3.1
0.22	R22	5X11	5			5X11	6	6X12	4.9	6X12	4.7
0.33	R33	5X11	6			5X11	7	6X12	6.0	6X12	5.7
0.47	R47	5X11	8			5X11	8	6X12	7.2	6X12	6.8
1	010	5X11	10			5X11	12	6X12	9	6X12	11
2.2	2R2	5X11	16			5X11	18	6X12	16	8X12	18
3.3	3R3	5X11	20			5X11	22	8X12	21	10X13	25
4.7	4R7	5X11	24	5X11	25	5X11	29	8X12	30	10X13	30
6.8	6R8	5X11	29	5X11	34	5X11	40	10X13	36	10X20	40
10	100	5X11	35	5X11	41	6X12	50	10X13	40	10X20	53
22	220	5X11	58	6X12	70	8X12	80	10X20	75	13X25	100
33	330	6X12	80	6X12	85	10X12	110	13X20	103	13X25	125
47	470	6X12	95	8X12	110	10X16	140	13X25	149	16X25	163
68	680	8X12	130	8X12	160	10X20	190	16X25	179	16X32	212
100	101	8X12	180	10X13	200	13X20	220	16X25	245	18X36	310
220	221	10X16	330	10X20	340	16X25	410	18X36	323		
330	331	10X20	410	13X20	450	16X25	560				
470	471	13X20	560	13X25	560	16X32	730				
680	681	16X25	680	16X25	800						
1000	102	16X25	800	16X32	950	18X40					
2200	222	18X36	935	18X40						øDXL	纹波电流 (mA)