

LP 焊针式标准品 (CD293型)



● 85°C, 2000小时, 焊针引出

Load life of 2000hours at 85°C, snap-in terminal

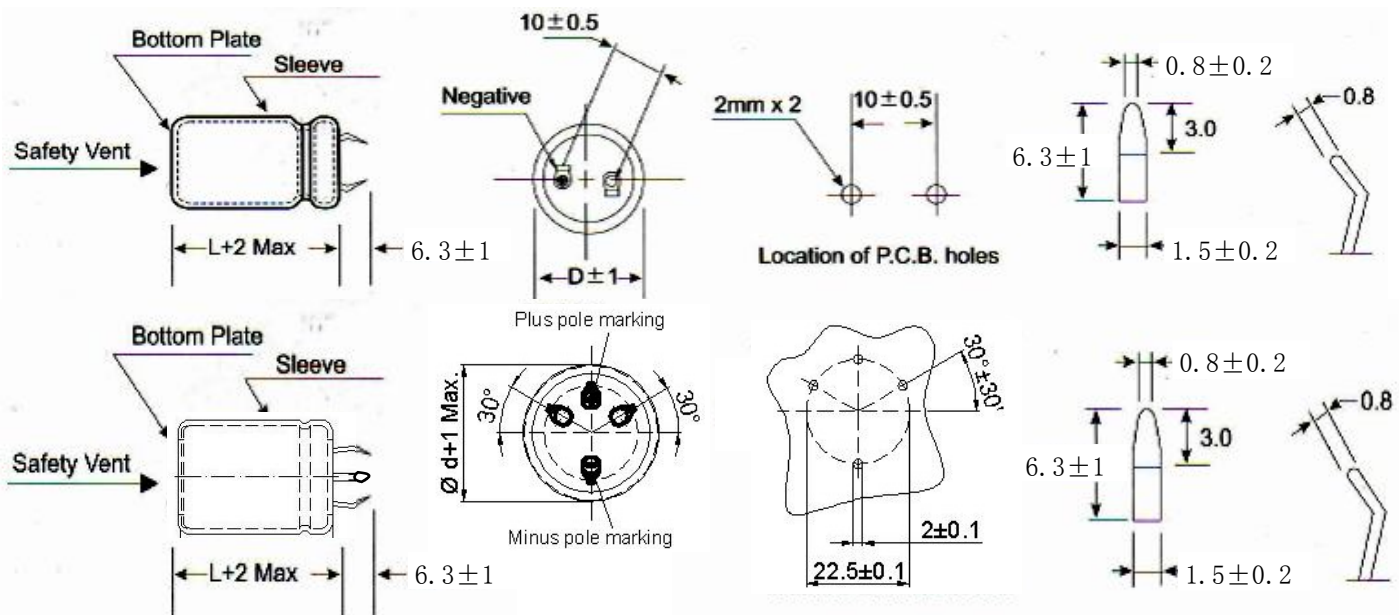
● 适用于家电、音频、电源、新能源、普通工业类等领域

Used in home appliance, audio equipment, power, new energy, normal industrial etc

Specifications

项目	Items	特性 Characteristics							
工作温度范围	Operating temperature range	-40~+85°C	-25~+85°C						
额定电压范围	Rated voltage range	10V~100V DC	160V~600V DC						
静电容量范围	Nominal Capacitance range	68uF~82000uF							
静电容量误差	Capacitance toletance	±20% (120Hz:20°C)							
漏电流 (20°C)	leakage current(20°C)	I≤0.03 CV (μ A)after 5minute I: Leakage current C: Normaml capacitance V: Rated voltage							
损耗角正切	Dissipation factor (120Hz:20°C)	Less than the value under table (%)							
		Cap(μ F)\Rated voltage(V)	10~16	25	35~50	63	80~100	160~250	400~600
		≤2700	—	—	20	15	15	18	20
		3300 - 4700	—	35	25	20	15	18	20
		5600 - 6800	40	35	30	20	20	18	20
≥8200	40	35	35	25	—	18	20		
低温特性	Low temperature characteristics (Impedance ratio max. at 120Hz)	Rated voltage(v)	10	16~35	50~100	160~200	250~400	450~600	
		Z-25°C/Z+20°C	5	4	4	4	8	—	
		Z-40°C/Z+20°C	18	15	10	6	8	—	
高温负荷特性	Load life	After applying rated for 2000 hours at 85°C then resumed 16 hours:							
		Capacitance change	Within ±20% of the initial measured value						
		tgδ	≤200% of the initial specified value						
高温贮存特性	Shelf life	After storage for 1000 hours at 85°C then resumed 24 hours:							
		Capacitance change	Within ±20% of the initial measured value						
		tgδ	≤200% of the initial specified value						
		Leakage current							≤initial specified value

Diagram of Dimensions(mm)



Multiplier for Ripple Current vs. Frequency:

Voitage(V)\Hz	50(60)	120	1K	10K	50-100K
≤50	0.95	1.00	1.10	1.15	1.15
63~100	0.95	1.00	1.16	1.30	1.33
≥160	0.95	1.00	1.20	1.50	1.55

Multiplier for Ripple Current vs. Temperature:

Temperature°C	45	60	70	85
Factor	1.55	1.30	1.20	1.00

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Standard Ratings

WV(Coad)		10V		16V		25V		35V		50V	
C(uf)	Coad	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.
2200	222									22×25	1.70
2700	272									22×30	1.90
										25×25	1.90
3300	332							22×25	1.80	22×35	2.00
										25×25	1.80
3900	392							22×30	2.10	22×35	2.10
										25×30	2.10
4700	472							25×25	2.2	22×40	2.40
										25×35	2.40
										30×25	2.22
5600	562					22×25	2.00	22×35	2.30	22×50	2.50
								25×30	2.30	25×40	2.50
										30×30	2.50
6800	682					22×30	2.30	22×40	2.90	22×50	2.80
						25×25	2.30	25×35	2.60	25×45	2.80
								30×25	2.70	30×35	2.80
8200	822			22×25	2.20	22×35	2.60	22×50	2.80	25×50	3.20
						25×25	2.60	25×40	2.80	30×40	3.00
								30×30	2.80	35×30	3.00
10000	103	22×25	2.50	22×30	2.60	22×40	2.90	22×50	3.13	30×50	3.40
				25×25	2.60	25×30	2.80	25×45	3.10	35×35	3.40
						30×25	2.80	30×30	2.77		
12000	123	22×30	3.17	22×35	2.90	22×45	3.30	25×50	3.50	30×50	3.80
		22×25	2.90			25×35	3.20	30×40	3.50	35×40	3.80
				25×25	2.96	30×30	3.40	35×30	3.60		
15000	153			22×40	3.30			30×45	4.10	30×50	4.16
		22×30	3.20	25×30	3.30	25×40	3.70	35×35	4.10		
		25×25	3.10	30×25	3.40	35×25	3.90			35×50	4.50
18000	183			22×45	3.80	25×50	4.30	30×50	4.60	35×50	4.92
		22×35	3.60	25×35	3.70	30×35	4.20	35×40	4.70		
		25×30	3.60	30×30	3.88	35×30	4.40				
22000	223			22×35	3.51						
		22×40	4.00	22×50	4.20	30×40	4.80	35×45	5.30		
		25×35	4.10	25×40	4.20	35×35	5.00				
		30×25	4.10	30×30	4.20						
27000	273	22×45	4.45	25×45	5.00	30×45	6.02			35×50	7.00
		25×35	4.54	30×35	5.00	35×40	6.02				
		30×30	4.54	35×30	5.00						
33000	333	25×40	4.60	25×50	5.56	35×40	6.50				
		30×30	4.80	30×40	5.60						
		35×25	4.80	35×35	5.71						
39000	393	25×45	5.20	30×45	6.20	35×50	7.50				
		30×35	5.30	35×35	6.30						
		35×30	5.30								
47000	473	25×50	5.80	30×50	7.00						
		30×40	6.00	35×40	7.20						
		35×35	6.12								
56000	563	30×45	6.70	35×45	8.00						
		35×35	6.80								
68000	683	30×50	7.50								
		35×40	7.70								
82000	823	35×50	8.70								

Permit ripple current : (Arms, 85°C, 120HZ)

Case size: φD×L (mm)

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Standard Ratings

WV(Coad)		63V		80V		100V		160V		180V		
C(uf)	Coad	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.	
270	271							22×25	1.11	22×25	1.23	
330	331							22×25	1.21	22×30	1.40	
										22×25	1.38	
390	391							22×30	1.55	22×30	1.50	
								25×25	1.55	25×25	1.50	
470	471							22×35	1.62	22×30	1.70	
								25×30	1.60	25×25	1.70	
								30×30	1.75	30×25	1.80	
560	561							22×35	1.90	22×40	2.04	
								22×50	2.27			
								25×30	1.90	25×30	2.05	
680	681					22×25	1.1	22×40	2.10	22×40	2.25	
								25×30	2.03	25×35	2.23	
								30×25	2.03	30×25	2.27	
820	821					22×30	1.20	22×50	2.50	25×45	2.50	
								25×40	2.40	30×35	2.60	
								30×30	2.51	35×30	2.50	
1000	102			22×25	1.3	22×30	1.43	25×35	2.38	30×35	2.91	
						22×35	1.55	30×35	2.80			
						25×25	1.40	35×30	2.70			35×30
1200	122			22×30	1.50	22×35	1.60	25×45	3.27	25×50	3.46	
				25×25	1.45			30×35	3.25	30×40	3.38	
								25×30	1.60	35×30	3.32	
1500	152	22×25	1.60	22×30	1.70	22×40	1.80	25×50	3.77	25×60	3.58	
				25×25	1.70	25×30	1.70	30×40	3.70	35×40	3.60	
1800	182	22×25	1.80	22×35	1.90	22×50	2.10	30×50	3.8	30×60	4.32	
		22×30	1.97			25×40	2.00					
						25×30	1.92	30×30	2.20			35×45
2200	222	22×30	2.00	22×40	2.10	25×45	2.20	30×60	4.56	35×50	4.53	
				25×35	2.20	30×35	2.30	35×45	4.26			
		25×25	2.00	30×25	2.20	35×30	2.50					
2700	272	22×35	2.20	22×50	2.50	25×50	2.60	35×50	4.97	35×68	5.85	
				25×40	2.50	30×40	2.70					
		25×30	2.30	30×30	2.50	35×30	2.60					
3300	332	22×40	2.30	22×50	2.46	25×50	3.00			35×70	6.50	
		25×35	2.30	25×40	2.80	30×40	3.00					
		30×25	2.30	30×35	2.80	35×35	3.10					
3900	392	22×45	2.50	25×50	3.10	30×50	3.40					
		25×40	2.60	30×40	3.20	35×40	3.40					
		30×30	2.60	35×30	3.20	35×50	3.70					
4700	472	22×50	2.84	25×50	3.50	30×50	5.13					
		25×40	2.84	30×40	3.60	30×60	4.00					
		30×30	2.84	35×30	3.50	35×50	4.00					
5600	562	25×45	3.10	30×50	3.50	30×60	4.36					
		30×35	3.20			35×50	4.36					
		35×30	3.30			35×40	3.50	35×60	4.77			
6800	682	25×50	3.60	30×50	3.56	30×70	5.15					
		30×40	3.60	35×40	3.66	35×50	4.77					
		35×35	3.70	35×50	4.10	35×60	5.22					
8200	822	30×50	3.70	35×50	4.49	35×70	6.20					
		35×40	3.80									
10000	103	30×50	4.19	35×70	5.86							
		35×45	4.30									
12000	123	35×50	4.80	35×90	7.27							
15000	153	35×70	6.34	35×100	8.56							
18000	183	35×90	7.87									
22000	223	35×100	9.17									

Permit ripple current : (Arms, 85°C, 120HZ)

Case size: φD×L (mm)

LP 焊针式标准品 (CD293型)

Standard Ratings

WV(Coad)		200V		220V		250V		315V		350V	
C(uf)	Coad	φ D×L	R. C.	φ D×L	R. C.	φ D×L	R. C.	φ D×L	R. C.	φ D×L	R. C.
120	121									22×30	0.82
150	151					22×30	0.8	22×30	0.85	22×30	1.14
										25×25	1.16
180	181			22×25	1.09	22×25	1.14	22×30	0.96	22×40	1.18
								25×25	0.96	25×30	1.30
220	221	22×25	1.13	22×30	1.15	22×30	1.10	22×40	1.10	22×40	1.40
						25×25	1.10	25×30	1.10	25×35	1.46
270	271	22×30	1.21	22×30	1.38	22×30	1.20	22×40	1.60	22×45	1.62
								25×30	1.62	25×35	1.65
330	331	22×30	1.42	22×35	1.51	22×40	1.40	22×45	1.60	22×50	1.78
						25×35	1.42	25×35	1.60	25×40	1.88
390	391	22×30	1.65	22×40	1.73	22×45	1.60	22×50	1.70	25×45	2.04
						25×25	1.63	25×30	1.71	25×40	1.80
470	471	22×40	1.82	22×40	1.99	22×50	1.80	25×45	1.85	30×40	2.41
		25×30	1.86	25×30	1.95	25×40	1.80	30×35	1.85		
560	561	30×25	1.89	30×30	1.80	35×30	1.80	35×30	1.85	35×35	2.43
		22×40	2.08	22×45	2.28	25×45	2.02	30×40	2.00	30×45	2.60
25×35	2.05	25×35	2.22	30×30	2.00	35×35	2.00				
680	681	22×40	2.26	22×50	2.46	30×40	2.30	30×45	2.20	35×50	2.75
		25×35	2.15	25×40	2.40	35×30	2.60	35×40	2.26		
30×30	2.15	30×30	2.39								
820	821	22×50	2.43	25×45	2.81	25×50	2.60	30×50	2.80	35×60	2.80
		25×35	2.17	30×35	2.70	30×35	2.60	35×45	2.80		
30×30	2.33	35×30	2.62	35×30	2.60						
1000	102	25×50	3.12	25×50	3.13	30×45	3.10	35×60	3.2		
		30×40	3.00	30×40	3.08	35×40	3.00				
35×30	2.96	35×35	3.05								
1200	182	25×50	3.10	30×45	3.60	30×50	3.40				
		30×40	3.10			35×40	3.40				
35×35	3.10	35×40	3.51								
1500	152	30×50	3.75	35×45	3.92	35×50	3.89				
		35×40	3.75								
1800	182	30×60	4.23	30×60	4.26	35×60	4.31				
2200	223	30×60	4.67								
		35×50	4.60								
3300	333										

Permit ripple current : (Arms, 85°C, 120HZ)

Case size: φ D×L (mm)

LP 焊针式标准品 (CD293型)

Standard Ratings

WV(Coad)		400V		450V		500V		600V	
C(uf)	Coad	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.
56	560			22×30	0.55	22×35	0.57	22×40	0.63
68	680	22×25	0.55	22×30	0.57	25×35	0.60	25×40	0.70
82	820	22×25	0.65	25×35	0.68	25×35	0.65	25×40	0.72
100	101	25×25	0.70	22×35	0.72	30×35	0.98	30×40	1.07
				25×30	0.73	25×40	0.98	25×45	1.08
		22×30	0.70	30×40	0.92	22×45	0.98	22×50	1.08
120	121	22×30	0.75	22×40	0.80	30×35	1.00	30×40	1.10
		25×25	0.75	25×30	0.80	35×30	1.00	35×35	1.10
				30×25	0.80				
150	151	22×40	0.90	22×40	0.95	30×40	1.20	30×45	1.45
		25×25	0.89	25×35	0.95	35×35	1.20	35×40	1.46
		30×25	0.95	30×30	0.95				
180	181	22×45	1.00	22×50	1.10	30×45	1.40	30×50	1.60
		25×35	1.00	25×40	1.10	35×40	1.30	35×45	1.61
		30×30	1.10	30×35	1.10				
				35×25	1.20				
220	221	22×50	1.10	25×50	1.20	25×50	1.40	25×55	1.70
		25×40	1.20	30×40	1.30	30×45	1.45	30×50	1.72
		30×40	1.20	35×30	1.30	35×40	1.60	35×45	1.74
270	271	25×45	1.30	25×50	1.40	30×50	1.80	30×55	2.05
		30×40	1.5	30×45	1.40	35×45	1.70	35×50	2.06
				35×35	1.50				
330	331	25×50	1.60	30×40	1.52	35×55	2.00	35×60	2.35
		30×40	1.60	35×40	1.64				
		35×30	1.60	35×45	1.68				
390	391	35×40	1.90	30×50	1.90	35×60	2.30	35×70	2.65
		35×45	1.92	35×45	1.90				
470	471	30×50	2.04	30×50	2.03				
		30×60	2.24	35×40	1.96				
		30×45	1.94	35×45	2.08				
		35×50	2.21	35×50	2.20				
560	561	30×60	2.33	35×50	2.40				
		35×50	2.30	35×60	2.62				
680	681	30×60	2.56	35×50	2.64				
		35×50	2.53	35×60	2.89				
820	821								

Permit ripple current : (Arms, 85°C, 120HZ)

Case size: φD×L (mm)