CD288H Series(2)

- Standard series for middle to high voltage
- Endurance: 3000 hours at 105℃
- Applicable to chargers, adaptors and small home appliances
- Sleeve color: Gold Print in Jasper Sleeve

Series Features:

Item	Characteristics			
Operating Temperature Range(℃)	- 25~+105			
Voltage Range(V)	160～500			
Capacitance Range(μF)	0.47～560			
Capacitance Tolerance (20℃,120HZ)	±20%			
Leakage Current(μA) (20℃)	I≤0.02CV + 15μ A (after 5 minutes)			
	C:Nominal Capacitance(μF) V:Rated Voltage(V)			
Dissipation Factor (20℃,120HZ)	R.v.(v)	160～250	350～450	500
	Tan δ	0.15	0.2	0.22
Stability at low Temperature (Impedance Ratio at 120Hz)	R.V.(V)	160～250	350～400	450～500
	Z-25℃/Z+20℃	3	6	10
Load Life (+105℃ 3000h)	The following specification shall be satisfied when the capacitors are restored to 20℃ after subjected to DC Voltage with the rated ripple current is applied for 3000h at 105℃.			
	Capacitance Change	Within ±20% of the initial measured Value.		
	Dissipation Factor	≤200% of the initial specified Value		
	Leakage current	≤The initial specified value		
Shelf Life (+105℃ 1000h)	The following specification shall be satisfied when the capacitors are restored to 20℃ after expo sing them for1000h at 105℃ without Voltage applied.			
	Capacitance Change	Within ±20% of the initial measured Value.		
	Dissipation Factor	≤200% of the initial specified Value		
	Leakage current	≤200% of the initial specified Value		

Frequency Coefficient

Freq.(HZ) / Cap.(μF)	50(60)	120	400	1K	10K	50K-100K
CAP≤10	0.8	1	1.3	1.45	1.65	1.7
10 < CAP≤100	0.8	1	1.23	1.36	1.48	1.53
100 < CAP≤1000	0.8	1	1.16	1.25	1.35	1.38
1000 < CAP	0.8	1	1.11	1.17	1.25	1.28

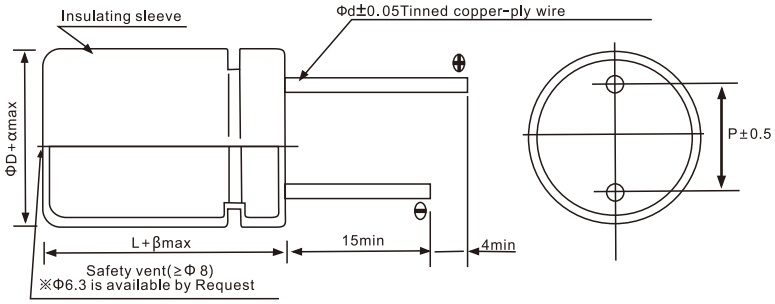
Temperature Coefficieng

Temperature (℃)	40	60	70	85	105
Factor	2.4	2.1	1.78	1.65	1

CD288H Series(2)

Dimensions (mm)

ΦD	5	6.3	8	10	13	16	18	20	22
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10	10
Φd	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.8	0.8
β	1.0			2.0					
α	0.5								



Ratings

R.V.(V)	160		200		250		350		400		450		500	
parameter / Cap.(μF)	ΦDxL (mm)	Ripple Current (mArms)	ΦDxL (mm)	Ripple Current (mArms)	ΦDxL (mm)	Ripple Current (mArms)	ΦDxL (mm)	Ripple Current (mArms)	ΦDxL (mm)	Ripple Current (mArms)	Φ DxL (mm)	Ripple Current (mArms)	ΦDxL (mm)	Ripple Current (mArms)
0.47	5×11	10	5X11	11	5x11	8	6.3x11	12	6.3x11	13	6.3x11	13		
1	5×11	16	6.3X11	16	6.3x11	15	6.3x11	15	6.3x11	16	8x12	19	8x12	23
2.2	6.3×11	24	6.3X11	24	6.3x11	24	8x12	29	6.3x16	38	8x12	33	8x16	34
3.3	6.3×11	30	6.3X11	33	8x12	31	8x12	36	6.3x16	39	8x12	40	10x13	47
4.7	6.3×11	40	6.3X11	48	8x12	48	8x12	49	8x12	62	8x16	48	10x16	55
6.8	8X12	53	8X12	60	8x12	67	10x13	75	8x14	86	10x13	68	10x16	76
10	8X12	71	8x12	81	8x12	76	10x16	87	10x16	119	10x16	93	10x20	109
22	10X13	100	10x16	124	10x16	119	13x21	162	10x25	181	13x21	171	13x25	171
33	10X16	162	10x16	171	13x21	181	13x21	190	13x21	276	13x25	219	16x32	209
47	10X20	200	13x21	209	13x21	228	16x25	247	16x25	304	16x25	342	18x25	342
56					13x21	266	16x25	314	16x25	380	16x32	380	16x36	380
68	13X21	266	13x21	285	13x25	337	16x32	352	16x25	475	16x32	447	16x45	466
82					16x25	356	16x36	366	16x32	494	18x32	456	16x45	475
100	13X25	314	13x25	328	16x25	375	18x32	371	16X32	523	18x32	532	18x40	551
120	13X25	333	16x25	371	16x32	409	16x40	380	18X32	551	18x40	618	22x40	570
150	16X25	447	16x25	456	16x36	437	18x40	399	18X36	608	18x45	684	22x45	713
180	16X25	523	16x32	532	18x32	447	18x40	409	18x45	665				
220	16X32	551	16x36	656	18x36	665								
330	18X32	665	18x36	770	18x45	741								
470	18X40	817	18x40	879										
560			18x50	893										

Ripple Current (mArms)at105℃,120HZ