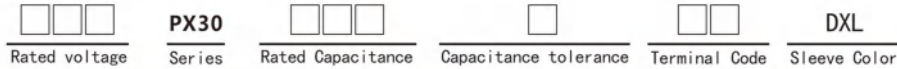


2000~5000h at 125°C

- Load life of 2000~5000 hours at 125°C
- High Reliability at High Temperature
- Automotive
- Professional Long-Life Applications



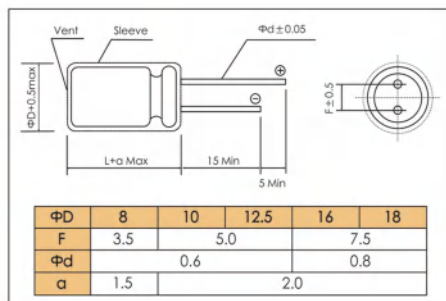
Items	Characteristics							
Operating Temperature Range (°C)	-40 ~ +125							
Voltage Range (V)	10 ~ 100							
Capacitance Range (μF)	1 ~ 4700							
Capacitance Tolerance (20°C, 120Hz)	± 20%							
Leakage Current (μA)	After 1 minute at 20°C application of rated voltage, leakage current is not more than 0.03CV or 4, whichever is greater. C: Nominal Capacitance (μF) V: Rated Voltage (V)							
Dissipation Factor (20°C, 120Hz)	WV (V)	10	16	25	35	50	63	100
	Tan δ (max)	0.20	0.16	0.14	0.12	0.10	0.09	0.08
For Capacitances >1000μF add 0.02 to every 1000μF								
Stability at Low Temperature (Impedance Ratio at 120Hz)	Rated Voltage (V)	10	16	25	35	50	63	100
	Z _{-25°C} / Z _{+20°C}	3	2					
	Z _{-40°C} / Z _{+20°C}	6	4					

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	Useful Life		Load Life	Endurance Test	Shelf Life
Lifetime	Φ 8 : 4000h Φ 10 : 6000h Φ ≥ 12.5 : 10000h	≥ 180000h	Φ 8 : 2000h Φ 10 : 3000h Φ ≥ 12.5 : 5000h	Φ 8 : 3000h Φ 10 : 5000h Φ ≥ 12.5 : 7000h	1000h
Leakage Current	Not more than specified value		Not more than specified value	Not more than specified value	Not more than specified value
Capacitance Change	Within ± 50% of initial value		Within ± 30% of initial value	Within ± 30% of initial value	Within ± 30% of initial value
Dissipation Factor	Not more than 500% of specified value		Not more than 300% of specified value	Not more than 300% of specified value	Not more than 300% of specified value
Condition: Applied Voltage Applied Current Applied Temperature	U _R I _R 125°C	U _R 1.4 x I _R 60°C	U _R I _R 125°C	U _R I _R = 0 125°C	After test: U _R = 0 I _R = 0 >24h before measurement 125°C

Dimensions

mm



Frequency Coefficient

Frequency		50/60Hz	120Hz	1kHz	10kHz	100kHz
Coefficient	1 ~ 4.7	0.35	0.42	0.60	0.80	1.00
	10 ~ 33	0.45	0.55	0.75	0.90	1.00
	47 ~ 330	0.60	0.70	0.85	0.95	1.00
	470 ~ 1500	0.65	0.75	0.90	0.98	1.00
	2200 ~ 4700	0.75	0.80	0.95	1.00	1.00

Temperature Coefficient

Temperature(°C)	+65	+85	+105	+125
Coefficient	2.2	2.0	1.7	1.0

PX30 CD269L

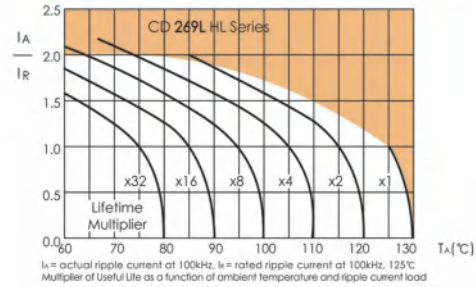


Ratings for CD 269L Series

U _s (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120Hz	Max Impedance 20°C, 100kHz	Rated Ripple Current 125°C, 100kHz	Size ΦD x L
(V)	(μF)	(Ω)	(Ω)	(mA _{rms})	(mm)
10 (13) 1A	330	0.804	0.22	360	8 × 11.5
	470	0.565	0.15	620	10 × 12.5
	1000	0.265	0.073	960	10 × 20
	2200	0.133	0.040	1430	12.5 × 25
	3300	0.097	0.038	1900	16 × 25
	4700	0.073	0.034	2300	16 × 31.5
16 (20) 1C	330	0.643	0.22	360	8 × 11.5
	470	0.452	0.15	620	10 × 12.5
	1000	0.212	0.073	960	10 × 20
	2200	0.109	0.040	1430	12.5 × 25
	3300	0.080	0.034	2300	16 × 31.5
	4700	0.062	0.031	2550	16 × 35.5
25 (32) 1E	220	0.844	0.22	360	8 × 11.5
	330	0.563	0.15	620	10 × 12.5
	470	0.395	0.10	800	10 × 16
	1000	0.186	0.055	1100	12.5 × 20
	2200	0.097	0.034	2300	16 × 31.5
35 (44) 1V	3300	0.072	0.031	2550	16 × 35.5
	100	1.592	0.22	360	8 × 11.5
	220	0.724	0.15	620	10 × 12.5
	330	0.483	0.10	800	10 × 16
	470	0.339	0.073	960	10 × 20
50 (63) 1H	1000	0.159	0.040	1430	12.5 × 25
	2200	0.084	0.031	2550	16 × 35.5
	3300	0.064	0.028	2800	18 × 36
	1	132.6	2.5	35	8 × 11.5
	2.2	60.31	1.8	50	8 × 11.5
	3.3	40.21	1.3	70	8 × 11.5
	4.7	28.23	0.85	100	8 × 11.5
	10	13.27	0.60	200	8 × 11.5
	22	6.032	0.35	260	8 × 11.5
	33	4.021	0.28	300	8 × 11.5
	47	2.823	0.28	300	8 × 11.5
	63 (79) 1J	100	1.327	0.18	520
220		0.603	0.082	890	10 × 20
330		0.402	0.065	1000	12.5 × 20
470		0.282	0.051	1200	12.5 × 25
1000		0.133	0.037	2180	16 × 31.5
2200		0.072	0.029	2800	18 × 40
33		3.619	0.40	250	8 × 11.5
47		2.541	0.27	400	10 × 12.5
100 (125) 2A	100	1.194	0.20	450	10 × 16
	220	0.543	0.10	820	12.5 × 20
	330	0.362	0.072	1000	12.5 × 25
	470	0.254	0.069	1500	16 × 25
	1000	0.119	0.056	1850	16 × 31.5
	1500	0.080	0.043	2350	18 × 40
	4.7	22.58	1.3	100	8 × 11.5
	10	10.61	1.0	200	8 × 11.5
	22	4.825	0.67	220	8 × 11.5
	33	3.217	0.45	260	10 × 12.5
100 (125) 2A	47	2.259	0.33	330	10 × 16
	100	1.062	0.17	670	12.5 × 20
	220	0.483	0.13	1100	16 × 25
	330	0.322	0.10	1300	16 × 31.5
	470	0.226	0.092	1600	18 × 31.5

MINIATURE

Lifetime Diagram



Typical Curves

