

RL (CD26L)

- Wide temperature range, 105°C, long life: 2000~3000 hours. Miniature.
- Used in VCD, DVD, color-TV, air conditioning electron gas meter circuits etc.
- Adapted to the ROHS directive (2002/95/EC).

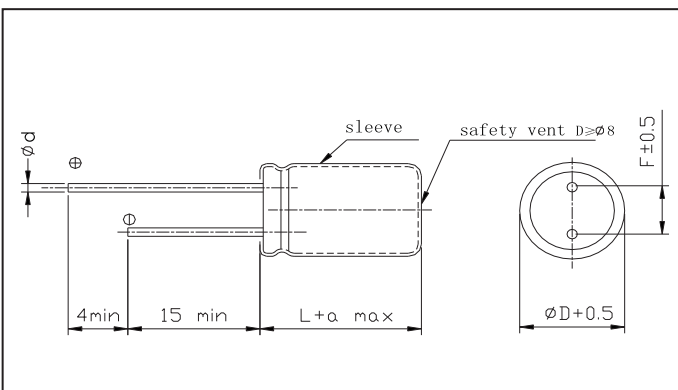


Specifications

Item	Performance Characteristics																																															
Operating temperature range	-40 ~ +105°C	-25 ~ +105°C																																														
Rated voltage range	6.3 ~ 100V	160 ~ 450V																																														
Nominal capacitance range	0.1~15000μF																																															
Capacitance tolerance	± 20% (120Hz, +20°C)																																															
Leakage current	$I \leq 0.01CV (\mu A) \quad 3\mu A$ (at 20°C, after 2 minute) (Whichever is greater)	$I \leq 0.03CV (\mu A) + 40\mu A \quad 1$ (1 minute)																																														
Dissipation factor (tg δ) (+20°C, 120Hz)	<table border="1"> <tr> <td>$U_R (V)$</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <td>tg δ</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0</td> <td>0.08</td> </tr> </table>									$U_R (V)$	6.3	10	16	25	35	50	63	100	tg δ	0.22	0.19	0.16	0.14	0.12	0.10	0	0.08																					
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tg δ	0.15	0.15	0.15	0.20	0.20																																											
For capacitance value >1000μF, add 0.02 per another 1000μF																																																
Temperature Characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>$U_R (V)$</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> <td>160~250</td> <td>400</td> <td>45</td> </tr> <tr> <td>Z-25°C / Z+20°C</td> <td>4</td> <td>3</td> <td colspan="3">2</td> <td colspan="3">4</td> <td colspan="3">5</td> </tr> <tr> <td>Z-40°C / Z+20°C</td> <td>8</td> <td>6</td> <td>4</td> <td colspan="3">3</td> <td colspan="3">8</td> <td colspan="2">6</td> </tr> </table>												$U_R (V)$	6.3	10	16	25	35	50	63	100	160~250	400	45	Z-25°C / Z+20°C	4	3	2			4			5			Z-40°C / Z+20°C	8	6	4	3			8			6	
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Z-25°C / Z+20°C	4	3	2			4			5																																							
Z-40°C / Z+20°C	8	6	4	3			8			6																																						
Load life	After applying rated voltage for 2000 hours ($\geq \phi 12$ 3000 hours) at +105°C and then resumed 16 hours: Capacitance change : ±20% Initial measured value Leakage current : ≤ Initial specified value Dissipation factor : ≤ 2 times Initial specified value																																															
Shelf life	After storage for 1000 hours at +105°C and then resumed 16 hours Capacitance change : ±20% Initial measured value Leakage current : ≤ 2 times Initial specified value Dissipation factor : ≤ 2 times Initial specified value																																															

Case size table

Unit: mm



D	5	6.3	8	10	13	16, 18, 19
F	2	2.5	3.5	5.0	5.0	7.5
d	0.5		0.5, 0.6		0.6	

α MAX	(L < 20) 1.5
	(L ≥ 20) 2.0

Dimensions

ØD × L(mm)

C _R (µF)	U _R Code	6.3V		10V		16V		25V		35V		50V	
		0J		1A		1C		1E		1V		1H	
0.1	0R1											5×11	10
0.22	R22											5×11	15
0.33	R33											5×11	18
0.47	R47											5×11	23
1	010											5×11	35
2.2	2R2											5×11	53
3.3	3R3											5×11	65
4.7	4R7							5×11	85	5×11	92	5×11	82
10	100					5×11	92	5×11	92	5×11	105	5×11	100
22	220			5×11	92	5×11	105	5×11	105	5×11	120	5×11	125
33	330	5×11	105	5×11	105	5×11	120	5×11	120	5×11	130	6.3×11	195
47	470	5×11	120	5×11	120	5×11	130	5×11	130	6.3×11	220	6.3×11	245
100	101	5×11	130	5×11	130	6.3×11	220	6.3×11	220	8×12	315	8×12	385
220	221	6.3×11	180	6.3×11	220	8×12	290	8×12	315	10×13	500	10×16	505
330	331	6.3×11	220	8×12	265	8×12	315	10×13	500	10×16	618	10×20	675
470	471	8×12	315	8×12	315	10×13	500	10×16	615	10×20	825	13×20	895
1000	103	10×12	500	10×16	615	10×20	825	13×20	1050	13×25	1300	16×25	1495
2200	222	13×20	1000	13×20	1050	13×25	1300	16×25	1740	16×31	2110	18(19)×35	2190
3300	332	13×25	1050	13×25	1300	16×25	1740	16×31	2110	18(19)×35	2580		
4700	472	16×25	1670	16×25	1740	16×31	2110	18(19)×35	2580				
6800	682	16×25	1740	16×31	2110	18(19)×35	2580						
10000	103	16×31	2110	18(19)×35	2580								
15000	153	18(19)×35	2580										

Dimensions

ØD × L(mm)

C _R (µF)	U _R Code	63V		100V		160V		200V		250V		400V		450V	
		1J		2A		2C		2D		2E		2G		2H	
0.47	R47			5×11	30	6.3×11	12	6.3×11	12	6.3×11	12	8×12	18		
1	010			5×11	45	6.3×11	18	6.3×11	18	6.3×11	18	10×13	30	10×13	19
2.2	2R2			5×11	60	6.3×11	26	6.3×11	26	8×12	30	10×16	40	10×16	29
3.3	3R3			5×11	67	8×12	37	8×12	37	10×13	43	10×20	52	10×20	35
4.7	4R7	5×11	74	5×11	75	8×12	44	10×13	50	10×13	50	13×20	79	13×20	50
10	100	5×11	95	6.3×11	110	10×13	75	10×16	80	10×20	90	16×25	130	13×25	75
22	220	6.3×11	130	8×12	165	10×20	135	10×20	135	13×25	155	16×31	175	16×31	110
33	330	6.3×11	160	10×13	305	13×20	175	13×25	190	13×25	190	16×35	220		
47	470	8×12	305	10×16	320	13×25	230	13×25	230	16×25	225				
100	101	10×13	395	13×20	585	16×25	330	16×31	360	18(19)×35	340				
220	221	10×20	505	16×25	1120	18(19)×35	500	18(19)×40	525						
330	331	13×20	660	16×25	1290										
470	471	13×25	850	16×31	1350										
1000	102	16×31	1430												

Rated ripple current(mA, +105°C, 120Hz)