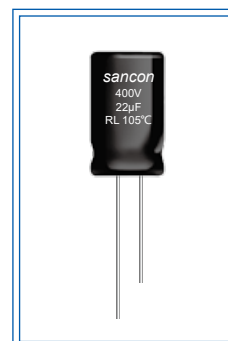


RL (CD26L)

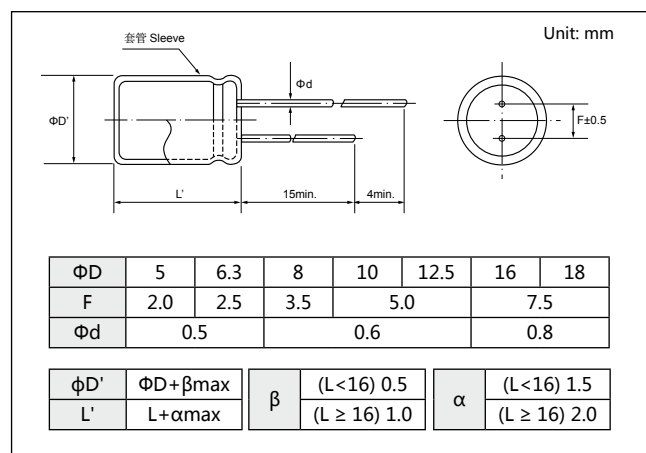
- Wide temperature range, 105°C, long life: 3000 hours, Miniature.
- Used in DVD, color-TV, air conditioning electron gas meter circuits, etc.
- RoHS Compliant.



Specifications

Item	Performance Characteristics														
Category Temperature Range	-40℃ ~ +105℃									-25℃ ~ +105℃					
Rated Voltage Range	6.3~100V _{dc}									160~450V _{dc}					
Capacitance Tolerance	±20% (+20℃ , 120Hz)														
Leakage Current	I ≤ 0.01CV or 3μA (after 2 minutes , Whichever is greater)									I ≤ 0.03CV(μA)+ 40μA (after 2 minutes)					
Dissipation Factor (tgδ) (+20℃ ,120Hz)	Rated Voltage(V _{dc})	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450
	tgδ(Max.)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.15	0.15	0.15	0.20	0.20	0.20
	When nominal capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase.														
Temperature characteristics (Max. Impedance ratio) (120Hz)	Rated Voltage(V _{dc})	6.3	10	16	25	35	50	63	100	160~250		350~400		450	
	Z(-25℃)/Z(+20℃)	5	4	3						3		6			
	Z(-40℃)/Z(+20℃)	12	10	8	5	4	3			-		-			
Endurance	After applying rated voltage with specified ripple current for 3000 hours at +105℃ and then resumed 24 hours: Capacitance change : ≤ ±20% of the initial value D.F. (tanδ) : ≤ 200% of the initial specified value Leakage current : ≤ The initial specified value														
Shelf Life	After storage for 1000 hours at +105℃ ,U _R to be applied for 30 minutes and then resumed 24 hours: Capacitance change : ≤ ±20% of the initial value D.F. (tanδ) : ≤ 200% of the initial specified value Leakage current : ≤ The initial specified value														

Diagram of Dimensions



Multiplier for Ripple Current

Frequency coefficient						
Frequency (Hz)	50(60)	120	300	1K	10K	100K
Cap(μF)						
CAP ≤ 10	0.65	1.0	1.35	1.75	2.30	2.50
10 < CAP ≤ 100	0.75	1.0	1.25	1.50	1.75	1.80
100 < CAP ≤ 1000	0.80	1.0	1.15	1.30	1.40	1.50
1000 < CAP	0.85	1.0	1.03	1.05	1.08	1.08
Temperature coefficient						
Temperature (°C)	+70	+85	+105			
Rated Voltage(v)						
6.3~100	2.0	1.7	1.0			
160~450	1.8	1.4	1.0			

Standard Ratings

Cap.(μF)	Rated Voltage (V _{dc})		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
	Code													
0.1	0R1												5×11	1.3
0.22	R22												5×11	2.9
0.33	R33												5×11	4.3
0.47	R47												5×11	6.2
1	010												5×11	13
2.2	2R2												5×11	20
3.3	3R3												5×11	25
4.7	4R7								5×11	25	5×11	28	5×11	30
10	100						5×11	34	5×11	36	5×11	41	5×11	40
22	220				5×11	46	5×11	51	5×11	54	5×11	61	5×11	65
33	330		5×11	54	5×11	57	5×11	63	5×11	67	5×11	75	6.3×11	90
47	470		5×11	64	5×11	68	5×11	75	5×11	80	5×11	90	6.3×11	110
100	101		5×11	94	5×11	100	5×11	110	6.3×11	130	6.3×11	150	8×12	180
220	221		5×11	140	6.3×11	170	6.3×11	180	8×12	230	8×12	270	10×12	300
330	331		6.3×11	190	6.3×11	200	8×12	260	8×12	310	10×12	350	10×16	410
470	471		6.3×11	230	8×12	250	8×12	310	10×12	380	10×16	460	10×20	530
1000	102		8×12	380	10×12	460	10×16	560	10×20	680	12.5×20	810	12.5×25	950
2200	222		10×20	710	10×20	760	12.5×20	920	12.5×25	1090	16×25	1260	16×35	1470
3300	332		10×20	840	12.5×20	1000	12.5×25	1170	16×25	1400	16×35	1610	18×35	1770
4700	472		12.5×20	1090	12.5×25	1260	16×25	1480	16×30	1710	18×35	1910		
6800	682		12.5×25	1350	16×25	1570	16×30	1780	18×35	2040				
10000	103		16×25	1650	16×35	1890	18×35	2060						
15000	153		16×35	2010	18×35	2180								
22000	223		18×40	2350										

Cap.(μF)	Rated Voltage (V _{dc})		63V (1J)		100V (2A)		160V (2C)		200V (2D)		250V (2E)		350V (2V)		400V (2G)		450V (2W)	
	Code																	
0.10	0R1				5×11	1.5												
0.22	R22				5×11	3.4												
0.33	R33				5×11	5.0												
0.47	R47				5×11	7.1							6.3×11	11			8×12	11
1	010				5×11	15			6.3×11	16			6.3×11	16	6.3×11	16	8×12	18
2.2	2R2				5×11	21			6.3×11	22	6.3×11	22	8×12	26	6.3×11	30	8×12	25
3.3	3R3				5×11	29	6.3×11	32	6.3×11	32	6.3×11	32	8×12	34	8×12	35	10×12	36
4.7	4R7				5×11	62	6.3×11	38	8×12	48	6.3×11	38	8×12	48	8×12	48	10×20	55
10	100		5×11	46	6.3×11	54	8×12	65	8×12	78	10×12	75	10×12	68	10×16	98	10×20	90
22	220						10×12	76	10×12	82	10×16	84	10×16	82	10×20	115	12.5×20	100
33	330		6.3×11	100	8×12	130	10×16	158	10×20	185	10×20	150	12.5×20	184	16×20	258	16×25	215
47	470		6.3×11	120	10×12	165	10×20	182	12.5×20	225	12.5×20	232	16×25	250	16×25	305	16×30	344
68	680						12.5×20	205	12.5×25	308			16×25	336	16×30	465	18×30	455
82	820								12.5×25	318					18×25	445		
100	101		10×12	215	10×20	265	12.5×25	318	16×25	345	16×25	370	18×30	398	16×40	544	18×35	530
120	121						16×25	335			16×30	400			18×30	532		
150	151								16×25	446	16×35	468			18×35	588	18×40	582
180	181								16×30	560					18×40	668	18×50	700
220	221		10×16	335	12.5×25	440	16×30	568	16×35	678	18×35	660						
330	331		10×20	510	16×25	540	18×35	710	18×35	755	18×40	702						
470	471		12.5×20	640	16×30	715	18×40	870	18×45	938								
1000	102		16×25	930	18×40	985												

Ripple Current(mA, +105°C, 120Hz)

Customer products are available on request.