



RUFL Series

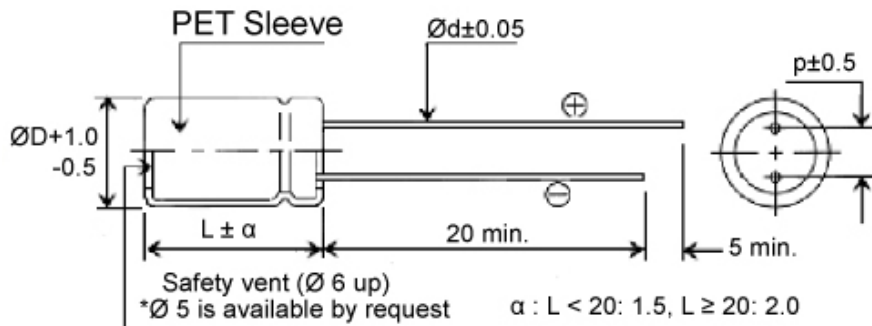
105°C, Radial Leads

- RUFL series capacitors are suitable for electronics ballast and energysaving lamp.
- Load Life 8,000 ~ 10,000 hours at 105°C.

Characteristics

Voltage Range	160 ~ 450 VDC												
Capacitance Range	0.1 to 330μF												
Temperature Range	-25 to +105°C												
Capacitance Tolerance	±20% at 120Hz, 20°C (10% Tol. is available upon request)												
Leakage Current	$I \leq 0.04CV + 100\mu A$, whichever is greater (After 1 minute)												
Dissipation Factor	Working Voltage (V)	160	200	250	350	400	450						
	D.F. (tan δ)	0.10	0.10	0.10	0.12	0.12	0.12						
Stability at Low Temperature (at 120Hz)	Working Voltage (V)	160	200	250	350	400	450						
	Z(-25°C) / Z(+20°C)	3	3	3	6	6	6						
Load Life	Test Conditions		<table border="1"> <tr> <td>Ø (mm)</td> <td>Life (hrs)</td> </tr> <tr> <td>8</td> <td>8,000</td> </tr> <tr> <td>≥ 10</td> <td>10,000</td> </tr> </table>					Ø (mm)	Life (hrs)	8	8,000	≥ 10	10,000
	Ø (mm)	Life (hrs)											
	8	8,000											
	≥ 10	10,000											
	Duration Time	as right											
	Ambient Temperature	±105°C											
	Applied Voltage	Rated DC working voltage											
Capacitance Change	±20% or less of initial measured value												
D.F. (tan δ)	200% or less of initial specified value												
Leakage Current	less than initial specified value												
Shelf Life	After storage for 1,000 hours at 105°C with no voltage applied, the capacitor shall meet the specified limit in load life. Pre-treatment for measurement shall be conducted after application of DC working voltage for 30 minutes.												

Dimensions (Units:mm)



DØ	5	6.3	8	10	13	16	18
p	2.0	2.5	3.5	5.0	5.0	7.5	7.5
dØ	0.5	0.5	0.5	0.6	0.6	0.8	0.8

Ripple Current Coefficients

Frequency (Hz)	120	1K	10K	≥100K
Multiplier	0.50	0.80	0.85	1.0

Multiplier for R.C. vs Temperature

Temperature (°C)	45	60	70	85	95	105
Multiplier	2.10	1.90	1.65	1.40	1.25	1.00

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WV	160		200		250		350		400		450	
Cap. μF	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1.0	-	-	-	-	-	-	8 x 11.5	80	10 x 12.5	85	10 x 12.5	90
2.2	-	-	-	-	-	-	10 x 12.5	85	10 x 12.5	90	10 x 12.5	95
3.3	-	-	-	-	8 x 11.5	80	10 x 12.5	90	10 x 16	100	10 x 16	110
4.7	-	-	-	-	10 x 12.5	105	10 x 16	105	10 x 20	115	10 x 20	125
6.8	-	-	10 x 12.5	105	10 x 12.5	110	10 x 16	115	10 x 20	125	10 x 20	135
10	10 x 16	125	10 x 16	125	10 x 16	140	10 x 20	150	13 x 20	170	13 x 20	185
22	10 x 20	200	10 x 20	200	13 x 20	200	13 x 20	260	13 x 25	270	16 x 21	290
33	10 x 20	250	13 x 20	260	13 x 20	320	13 x 25	360	16 x 25	370	16 x 25	390
47	13 x 20	300	13 x 20	390	13 x 25	390	16 x 25	430	16 x 31.5	470	18 x 31.5	480
68	13 x 20	470	16 x 21	470	16 x 25	520	18 x 25	560	18 x 31.5	580	18 x 41	630
82	-	-	-	-	-	-	-	-	-	-	18 x 36	715
100	16 x 21	580	16 x 25	630	16 x 31.5	680	18 x 35.5	700	18 x 41	790	18 x 45	850
120	-	-	-	-	-	-	-	-	18 x 45	882	-	-
150	16 x 25	690	18 x 25	840	18 x 35.5	860	18 x 45	960	-	-	-	-
180	-	-	-	-	-	-	-	-	-	-	22 x 50	1360
220	18 x 31.5	980	18 x 35.5	1050	18 x 45	1130	-	-	-	-	-	-
330	18 x 41	1250	-	-	-	-	-	-	-	--	-	-