

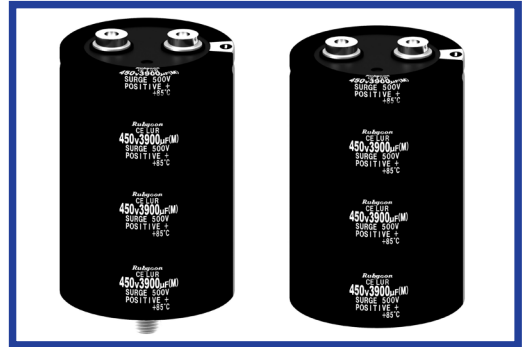
LUR 系列  
SERIES

NEW

85°C 高散热性能品  
85°C Low Thermal Resistance

- 85°C 5000小时品。  
Load Life : 85°C 5000hours.
- 高散热构造。  
Low thermal resistance structure.

RoHS  
compliance



规格表 / SPECIFICATIONS

项目 Items	特性 Characteristics												
工作温度范围 Category Temperature Range	-25~+85°C												
额定电压范围 Rated Voltage Range	350~500Vdc												
静电容量允许差 Capacitance Tolerance	±20%(20°C, 120Hz)												
漏电流 Leakage Current(MAX)	小于 $I=3\sqrt{CV}$ 和 5mA 中的较小值 (施加额定电压5分钟后) I=3 $\sqrt{CV}$ or 5mA whichever is smaller. (After 5 minutes application of rated voltage) I=漏电流(μA) Leakage Current      C=静电容量(μF) Capacitance      V=额定电压(Vdc) Rated Voltage												
损失角正切值(tanδ) Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>Vdc \ φD</th> <th>64</th> <th>77</th> <th>90</th> </tr> </thead> <tbody> <tr> <td>350~450</td> <td>0.25</td> <td>0.25</td> <td>0.25</td> </tr> <tr> <td>500</td> <td>0.30</td> <td>0.30</td> <td>0.30</td> </tr> </tbody> </table> (20°C, 120Hz)	Vdc \ φD	64	77	90	350~450	0.25	0.25	0.25	500	0.30	0.30	0.30
Vdc \ φD	64	77	90										
350~450	0.25	0.25	0.25										
500	0.30	0.30	0.30										
耐久性 Endurance	在85°C环境中, 不超过额定电压的范围内叠加额定纹波电流, 连续加载5000小时后, 满足以下各项要求。 After applying rated voltage with rated ripple current for 5000 hours at 85°C, the capacitors shall meet the following requirements. <table border="1"> <tbody> <tr> <td>静电容量变化率 Capacitance Change</td> <td>初期值的±20%以内 Within ±20% of the initial value.</td> </tr> <tr> <td>损失角正切值 Dissipation Factor</td> <td>规格值的200%以下 Not more than 200% of the specified value.</td> </tr> <tr> <td>漏电流 Leakage Current</td> <td>规格值以下 Not more than the specified value.</td> </tr> </tbody> </table>	静电容量变化率 Capacitance Change	初期值的±20%以内 Within ±20% of the initial value.	损失角正切值 Dissipation Factor	规格值的200%以下 Not more than 200% of the specified value.	漏电流 Leakage Current	规格值以下 Not more than the specified value.						
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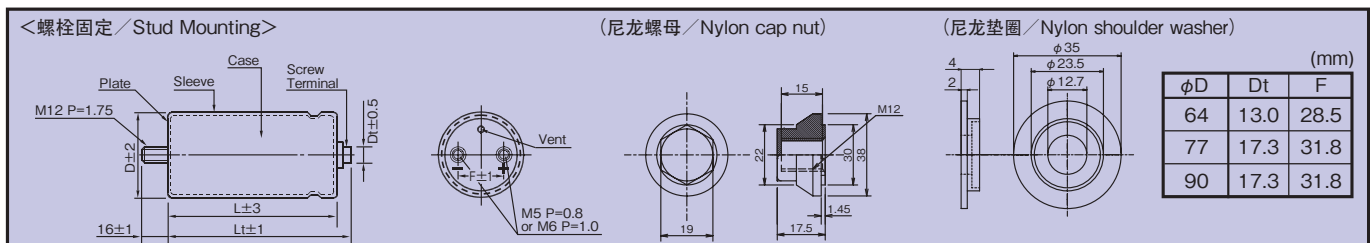
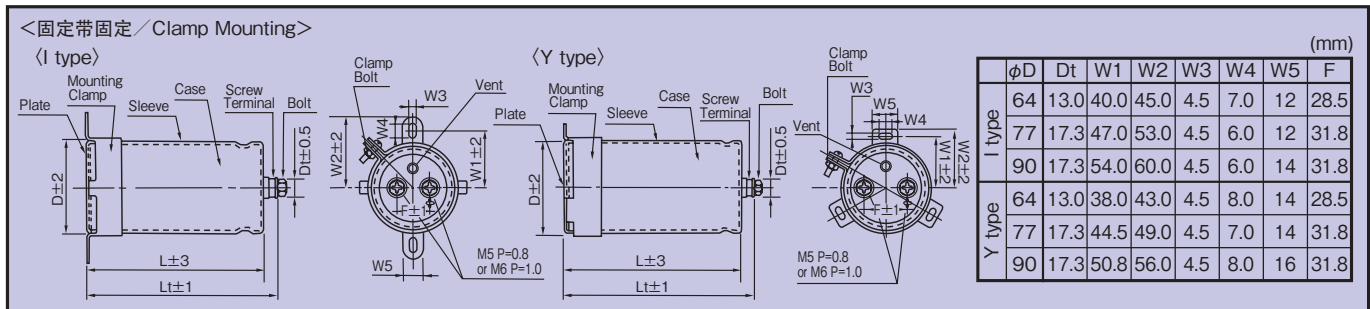
纹波电流修正系数 / MULTIPLIER FOR RIPPLE CURRENT

频率(Hz) Frequency	60(50)	120(100)	300	500	1k	10k≤
系数 Coefficient	0.80	1.00	1.17	1.23	1.30	1.40
	0.80	1.00	1.15	1.20	1.25	1.30

产品型号体系 / PART NUMBER

额定电压 Rated Voltage	系列名称 Series	静电容量 Capacitance	静电容量允许差 Capacitance Tolerance	副记号 Option	安装记号 Mounting Code	铝壳尺寸 Case Size
□□□	LUR	□□□□□	M	□□□	□□	D×L

尺寸图 / DIMENSIONS



• 安装螺栓用的螺母和垫圈是另卖品。 Nut and washer for stud mounting are option.

### ◆标准品一览表 / STANDARD SIZE

额定电压 Rated Voltage (Vdc)	静电容量 Capacitance ( $\mu$ F)	外形尺寸 Size		额定纹波电流 Rated Ripple Current(Arms 85°C, 120Hz)	
		$\phi$ DXL (mm)	Lt (mm)	Ta=85°C※1	Tc=85°C※2
350	3300	64×96	103	12.1	17.3
	3900	64×106	113	13.3	18.7
	4700	64×126	133	15.1	20.6
	5600	64×146	153	16.9	22.7
	5600	77×103	109.5	19.5	28.4
	6800	77×133	139.5	21.4	30.1
	8200	77×153	159.5	24.1	33.2
	8200	90×103	109.8	25.1	41.0
	10000	77×193	199.5	28.2	37.4
	10000	90×133	139.8	30.4	47.4
	12000	77×193	199.5	29.5	39.2
	15000	77×220	226.5	35.8	46.6
	15000	90×193	199.8	40.6	59.4
	18000	90×193	199.8	42.3	61.9
22000	90×220	226.8	47.1	67.4	
400	2700	64×96	103	11.5	16.5
	3300	64×106	113	12.8	18.0
	3900	64×126	133	14.4	19.8
	4700	64×146	153	16.2	21.8
	4700	77×103	109.5	18.6	27.1
	5600	77×133	139.5	20.4	28.7
	6800	77×133	139.5	23.1	32.5
	6800	90×103	109.8	24.1	39.4
	8200	77×153	159.5	26.0	35.8
	8200	90×133	139.8	28.9	45.2
	10000	77×193	199.5	28.2	37.5
	10000	90×133	139.8	30.4	47.5
	12000	77×220	226.5	31.3	40.8
	12000	90×153	159.8	34.2	52.1
15000	90×193	199.8	40.6	59.3	
18000	90×220	226.8	45.1	64.5	

额定电压 Rated Voltage (Vdc)	静电容量 Capacitance ( $\mu$ F)	外形尺寸 Size		额定纹波电流 Rated Ripple Current(Arms 85°C, 120Hz)	
		$\phi$ DXL (mm)	Lt (mm)	Ta=85°C※1	Tc=85°C※2
450	2200	64×96	103	10.9	15.7
	2700	64×106	113	12.1	17.1
	3300	64×126	133	13.8	18.9
	3300	77×103	109.5	15.7	22.9
	3900	64×146	153	15.4	20.8
	3900	77×113	119.5	17.2	24.8
	4700	77×133	139.5	19.5	27.3
	5600	77×153	159.5	21.8	30.0
	5600	90×103	109.8	23.0	37.5
	6800	77×193	199.5	25.3	33.7
	6800	90×133	139.8	27.5	43.0
	8200	77×193	199.5	26.8	35.6
	8200	90×133	139.8	29.0	45.2
	10000	77×220	226.5	31.9	41.5
10000	90×193	199.8	36.4	53.3	
12000	90×193	199.8	38.3	56.1	
15000	90×220	226.8	43.0	61.6	
500	1800	64×96	103	9.5	13.6
	2200	64×106	113	10.6	14.9
	2700	64×126	133	12.0	16.5
	2700	77×103	109.5	13.6	19.8
	3300	64×146	153	13.6	18.3
	3300	77×113	119.5	15.1	21.7
	3900	77×133	139.5	16.9	23.8
	4700	77×153	159.5	19.0	26.1
	4700	90×103	109.8	20.2	33.0
	5600	77×153	159.5	21.2	29.2
	5600	90×133	139.8	23.9	37.3
	6800	77×193	199.5	23.3	31.0
	6800	90×133	139.8	25.5	39.8
	8200	77×220	226.5	26.0	33.9
8200	90×153	159.8	28.6	43.6	
10000	90×193	199.8	33.5	49.1	
12000	90×220	226.8	37.4	53.5	

Ta: 周围温度 (自然对流)。

Ambient temperature under natural convection.

Tc: 电容器底部温度 (强制冷却)。

Case bottom temperature.

※1: 能在Ta=85°C (自然对流) 环境中连续施加的额定纹波电流。

Rated ripple current in continuous operation under natural convection at Ta=85°C.

※2: 能在Tc=85°C (强制冷却) 环境中连续施加的额定纹波电流。

Rated ripple current in continuous operation under forced convection at Tc=85°C.

### ◆螺栓紧固扭矩和允许电流值 / Tightening torque of bolt and Permissible current of terminal

固定带用螺栓 Clamp Bolt	推荐紧固扭矩 Recommended Tightening torque
M3	0.6 [N·m]
M4	1.3 [N·m]

端子用 Terminal	推荐紧固扭矩 (允许值) Recommended Tightening torque (Permissible Range)	端子允许电流 Permissible Current of Terminal
M5	2.2(1.5~3.2) [N·m]	60 [A r.m.s.]
M6	3.2(3.0~3.5) [N·m]	100 [A r.m.s.]

### ◆固定螺栓用尼龙螺母的紧固扭矩 / Tightening torque of stud fixing nylon nut

尼龙螺母 Nylon Nut	推荐紧固扭矩 Recommended Tightening torque
M12	10.0 [N·m]