

ALUMINUM ELECTROLYTIC CAPACITORS

LLR series Load Type For Power

LLR 20 Ø

FEATURES

- Load Life:85°C 2000~3000 Hours.
- Substitute of Snap-in.
- 20Ø Radial lead type for Power Supply

SPECIFICATIONS

Item	Performance Characteristics						
Operating Temperature Range	-40°C ~ +85°C (200~250V), -25°C ~ +85°C (350~450V)						
Rated Voltage Range	160~450V						
Capacitance Range	150~820 μ F						
Capacitance Tolerance	\pm 20% (20°C, 120Hz)						
Leakage Current (MAX)	$I \leq 0.02CV$ After 5minutes with rated working voltage applied I =Leakage Current(μ A) , C =Nominal Capacitance(μ F) , V =Rated Voltage(V)						
Dissipation Factor ($\tan \delta$)	Rated voltage (V)	200	250	350	400	450	MAX (20°C, 120Hz)
	Tan δ	0.15	0.15	0.15	0.15	0.20	
Low Temperature Stability Impedance Ratio	Rated voltage (V)	200	250	350~400	450		MAX (120Hz)
	Z(-25°C)/Z(+20°C)	3	5	8	17		
	Z(-40°C)/Z(+20°C)	4	8				
Load Life	After life test at conditions stated in the table below,,the capacitors shall requirement						
	Leakage Current	not more than the specified value.			Case Dia	Life Time(hrs)	
	Capacitance Change	Within \pm 25% of initial value.			200V~250V	3000	
	Dissipation Factor	not more than 200% of the specified value.			350V~450V	2000	
Shelf Life	After leaving capacitors under no load at 85°C for 500 hours, they meet the characteristic requirements listed at above.						
Standard	According to JIS C-5141						

MULTIPLIER FOR RIPPLE CURRENT

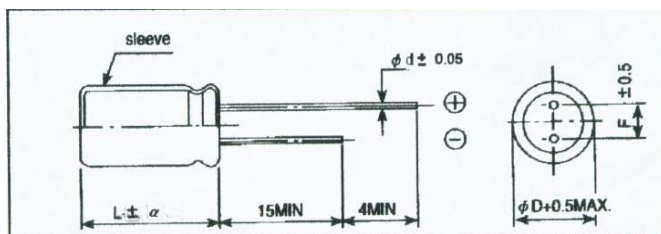
Frequency coefficient

Frequency(Hz)	60(50)	120	1k	10k	\geq 100k
Coefficient	0.8	1.0	1.25	1.40	1.50

ALUMINUM ELECTROLYTIC CAPACITORS

LLR series

DIMENSIONS (mm)



φD	20
φd	0.8
F	10
α	2

STANDARD SIZES AND PERMISSIBLE RIPPLE CURRENT

SIZE $\varphi D \times L$ (mm) Ripple Current(mA 85°C.) r.m.s

W.V Cap (μF)	200		250		350		400		450	
	SIZE	RIPPLE (120HZ)	SIZE	RIPPLE (120HZ)	SIZE	RIPPLE (120HZ)	SIZE	RIPPLE (120HZ)	SIZE	RIPPLE (120HZ)
150					20*31.5	680	20*31.5	660	20*36.5	670
220			20*31.5	800	20*36.5	850	20*41.5	760	20*46.5	800
270			20*31.5	850	20*41.5	890	20*46.5	780		
330	20*31.5	950	20*31.5	1000	20*46.5	1100				
390	20*31.5	1100	20*36.5	1120						
470	20*31.5	1250	20*41.5	1350						
560	20*36.5	1320	20*46.5	1450						
680	20*41.5	1450								
820	20*46.5	1510								