RLB Series, Radial Aluminum Electrolytic Capacitors, High Ripple Current High Temperature Long Life

Features

◎ High Ripple Current High Temperature, Long Life, Life time 105℃ 5000~6000 hours.

◎ Specially designed for light emitting diode lamp (LED) drive source.

◎ Adapted to the RoHS directive.

How to order

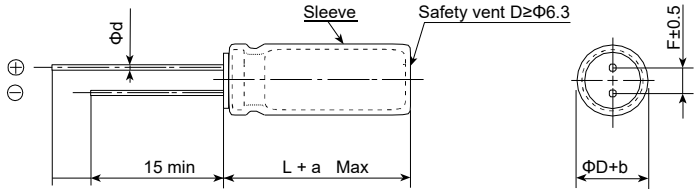
RRL	338	M	016	01250250	050	B	000	-
↓	↓	↓	↓	↓	↓	↓	↓	↓
Type	**Capacitance code**	**Tolerance**	**Rated Voltage**	**Size Code**	**Pitch**	**Package**	**Lead Length**	**Additional characters maybe added for special requirements**
RRL **RFZ** **RGR** **RGL** **RB2** **RM2**	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 107 = 100uF 108 = 1000uF 338 =3300uF	M: -20%~+20%	Code 016: 16VDC For DC Voltage 006: 6.3VDC 016: 16VDC 035: 35VDC 200: 200VDC 450: 450VDC	Code 01250250: Size 12.5*25mm 00630110: Size 6.3*11mm 01250250: Size 12.5*25mm 01600250: Size 16*25mm	Axial: 000 2.0: 020 2.5: 025 3.5: 035 5.0: 050 7.5: 075	B: BULK T: AMMO TAPED	Standard: 000 Cut Lead Length: 3.0mm：030 3.5mm: 035 4.0mm: 040 4.5mm：045 5.0mm：050	

Specifications

Items	Characteristics	
Operating Temperature Range	-40~+105℃	
Rated Voltage Range	16~100V	160~450V
Nominal Capacitance Range	0.47~4700μF	
Capacitance Tolerance	±20%(120Hz,+20℃)	
Leakage Current(+20℃)	(at 20℃, after 2 minutes)(whichever is greater)	0.02CV+10μA (at 20℃ , after 2 minutes)
	C:Capacitance (μF)； V:Rated voltage range (V)	
Dissipation Factor (+20℃, 120 Hz)	U_R (V) 16 25 35 50 63 100 tgδ 0.16 0.14 0.12 0.10 0.09 0.09 U_R(V) 160 200 250 350 400 450 tgδ 0.15 0.15 0.15 0.20 0.20 0.20 When nominal capacitance exceeds 1000 μF, add 0.02 to the value above for each 1000 μF increase.	
Temperature Characteristics (Impedance ratio at 120Hz)	U_R(V) 16 25 35 50 63 100 160 200 250 350 400 450 Z-40℃ / Z+20℃ 8 6 6 6 4 4 6 6 6 7 7 9	
Load Life	The following specifications shall be met when the capacitors are restored to + 20 ℃ for 16 hours after D. C. bias rated ripple current is applied at +105 ℃ , the peak voltage shall not exceed the voltage. Time ： 5000hours(φ5~φ6.3) or 6000hours (φ≥8) Capacitance change ： ±20% of the initial measured value Leakage current ： ≤Initial specified value Dissipation factor ： ≤ 2times of the initial specified value	
Shelf Life	After storage for 1000 hours at +105 ℃ and then resumed for 16 hours: Capacitance change ： ±20% of the initial measured value Leakage current ： ≤2 times of the initial specified value Dissipation factor ： ≤2 times of the initial specified value	

Case Size Table

Unit:mm



D	5	6.3	8	10	13	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
d	0.5	0.5	0.5、0.6	0.6	0.6	0.8	0.8

αMAX	﹛L < 20﹜1.5
	﹛L≥20﹜2.0

βMAX	0.5