RRF Series, Radial Aluminum Electrolytic Capacitors, high ripple current

◎105℃, 3000~6000hours

◎Ultra low impedance，high ripple current.

◎RoHS Compliant

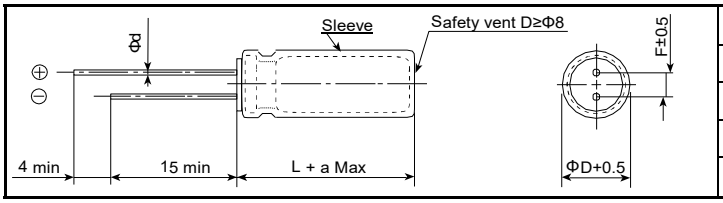
How to order

RRF	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**
RGE **RGR** **RGL** **RRF**	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°C										
Rated Voltage Range	6.3~120 Vdc										
Nominal capacitance toletance	6.8μF~6800μF										
Capacitance Tolerance	±20% (120Hz·20℃)										
Leakage Current	I≤0.01CV or 3μA .whichever is greater.										
	I: Leakage current (μA),C:Nominal capacitance (μF),V: Rated voltage (V)										
Dissipation Factor (tanδ)	Rated Voltage(Vdc)	6.3	10	16	25	35	50	63	80	100	120
	tanδ (max .)	0.15	0.14	0.12	0.10	0.10	0.08	0.08	0.08	0.08	0.12
	When nominal capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase.										
Low Temperature Characteristics (Max. Impedance Ratio)	Rated Voltage(Vdc)	6.3	10	16	25	35	50	63	80	100	120
	Z(-25°C)/Z(+20°C)	5	4	3							
	Z(-40°C)/Z(+20°C)	10	8	5	4						6
Endurance	The following specifications shall be met when the capacitors are restored to 20 °C after DC voltage plus rated ripple current is applied for a specified period of time at 105°C. ØD≤6.3, 3000H；ØD=8, 4000H;ØD=10, 5000H;ØD≥12.5, 6000H										
	Capacitance Change	≤±25% of the initial value									
	D . F. (tanδ)	≤200% of the initial specified value									
	Leakage Current	≤The initial specified value									
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after leaving them under no load at 105°C for 1,000 hours .										
	Capacitance Change	≤±20% of the initial value									
	D . F. (tanδ)	≤200% of the initial specified value									
	Leakage Current	≤200% of the initial specified value									

Diagram of Dimensions(mm)



ØD	5	6.3	8		10	13.0	16.0	18
Ød	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.8
F±0.5	2	2.5	3.5		5.0	5.0	7.5	7.5
ØD'	ØD+0.5max.							
L'	L+2max.							