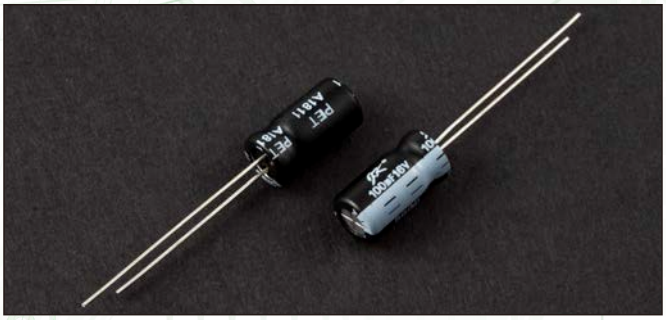
RG Series

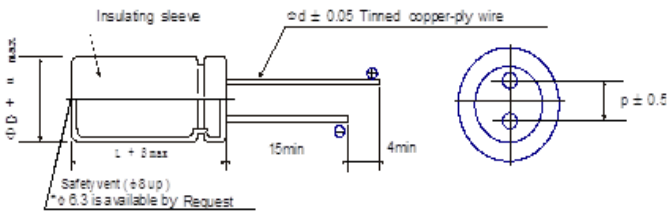


- RG series aluminum electrilytic capacitors are miniature single-ended , Developed for the miniaturization
- Super miniature series with 7mm height.
- Rohs compliance.

■ SPECIFICATIONS

Item	Characteristics
Operating Temperature Range	- 40 ~ +85℃
Voltage Range	4 ~ 63 V.DC
Nominal Cap. Range	0.1 ~ 470 μF
Capacitance Tolerance	- 20% ~ + 20% (at 20℃, 120Hz)
Leakage Current	I = 0.01CV or 3(μA) whichever is greater.(after 2 minutes) where,I: Max Leakage Current(μA), C: Nominal Capacitance(μF), V: Rated Voltage(V) (at 20°C)
Dissipation Factor (tanδ) (at 120Hz, +20℃)	WV: 4 / 6.3 / 10 / 16 / 25 / 35 / 50 / 63 tanδ: 0.35 / 0.24 / 0.20 / 0.16 / 0.14 / 0.12 / 0.10 / 0.08
Low Temp. Impedance Stability at 120Hz	W. V.: 4 / 6.3 / 10 / 16 / 25 / 35 / 50 / 63 Z(-25℃)/ Z(+20℃): 7 / 4 / 3 / 2 / 2 / 2 / 2 / 2 Z(-40℃)/ Z(+20℃): 15 / 10 / 8 / 6 / 4 / 3 / 3 / 3
High Temp. Load Test	After 1000 hours, application of DC rated working voltage at 85℃, the capacitor shall meet the following limits: Capacitance change ..≦±20% of the initial measured value Tan δ ... ≦200% of the initial specified value DC leakage current .≦ the initial specified value
High Temp. Non-Load Test	After storage for 500 hours at 85℃ with no voltage applied, voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made, at which time requirements specified in the table "High temperature loading" can be met.

●DRAWING



Unit:(mm)

ΦD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
Φd	0.45			0.5
β	1.0			
α	0.5			

▼ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Freq.(Hz) / Cap(μF)	60(50)	120	1K	10K
0.1~10	0.8	1.0	1.30	1.65
22~100	0.8	1.0	1.2	1.5
220~470	0.8	1.0	1.15	1.35

◆ PART NUMBERING SYSTEM

RG	□□□	□	□□□	□	□□
Series	Rated Cap.	Cap. Tolerance	Rated Voltage	Case Size D	Case Size L

RG Series

■STANDARD RATINGS

WV(Vdc) / Cap (μF)	4		6.3		10		16		25		35		50		63	
	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)	ΦDxL (mm)	Ripple current (mArms)
0.1													4X7	1	4X7	1
0.22													4X7	2	4X7	2
0.33													4X7	3	4X7	3
0.47													4X7	5	4X7	5
1													4X7	10	4X7	10
2.2													4X7	15	4X7	15
3.3													4X7	18	4X7	19
4.7									4X7	20	4X7	21	4X7	23	5X7	33
															6.3X7	35
6.8									4X7	14	4X7	26	4X7	27	6.3X7	43
10							4X7	25	4X7	28	4X7	30	5X7	40	6.3X7	50
											5X7	30				
22	4X7	22	4X7	29	4X7	35	4X7	39	5X7	51	5X7	55	6.3X7	60	8X7	70
					5X7	37	5X7	42			6.3X7	57				
33	4X7	25	4X7	42	4X7	43	5X7	58	5X7	51	6.3X7	70	8X7	76		
									6.3X7	65						
47	4X7	29	4X7	50	4X7	62	5X7	68	5X7	72	8X7	83	8X7	85		
									6.3X7	80						
100	5X7	50	5X7	82	5X7	90	5X7	92	6.3X7	120						
							6.3X7	110	8X7	125						
220	6.3X7	78	6.3X7	100	6.3X7	132	8X7	146								
330	6.3X7	120	8X7	136	8X7	200										
470	8X7	154														

Rated Ripple Current (mArms) at 85℃ 120Hz

Case Size: ΦDxL(mm)