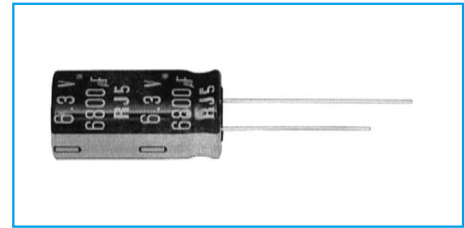


105°C Miniature Capacitors

GREEN
CAP 105°C
1000hours Anti-
cleaning
solvent

- Case size is one rank smaller than Series RJ4.
- Guarantees 1000 hours at 105°C.



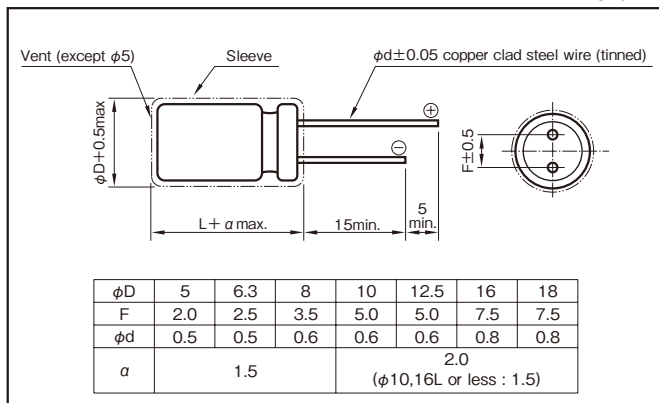
Marking color : White print on a black sleeve

Specifications

Item	Performance									
Category temperature range (°C)	−55 to +105									
Rated voltage (V)	6.3 to 100									
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)									
Leakage current (μA)	Less than 0.03CV or 4 whichever is larger (after 1 minute) (20°C)									
	C : Rated capacitance (μF) V : Rated voltage (V)									
Tangent of loss angle (tanδ)										
	Rated voltage (V)	6.3	10	16	25	35	50	63	100	
	tanδ (max.)	0.34	0.26	0.20	0.16	0.14	0.12	0.10	0.08	
	0.02 is added to every 1000μF increase over 1000μF (20°C,120Hz)									
Characteristics at high and low temperature										
	Rated voltage (V)		6.3	10	16	25	35	50	63	100
	Impedance ratio (max.)	Z−25°C/Z+20°C	5	4	3	2	2	2	2	2
Z−40°C/Z+20°C		10	8	6	4	3	3	3	3	
	(120Hz)									
Endurance (105°C) (Applied ripple current)										
	Test time		1000 hours							
	Leakage current		The initial specified value or less							
	Percentage of capacitance change		Within ±20% of initial value							
	Tangent of the loss angle		200% or less of the initial specified value							
Shelf life (105°C)	Test time : 1000 hours ; other items are the same as those for the endurance. Voltage application treatment									
Applicable standards	JIS C5101-1, -4 1998 (IEC 60384-1 1992, -4 1985)									

Outline Drawing

Unit : mm



Coefficient of Frequency for Rated Ripple Current

Rated voltage (V)	Rated capacitance (μF)	Frequency (Hz)	50・60	120	1k	10k	100k
6.3 to 100	0.1 to 47		0.8	1	1.5	1.7	2.0
	100 to 220		0.8	1	1.2	1.3	1.4
	330 to 1000		0.8	1	1.2	1.2	1.3
	2200 to 22000		0.8	1	1.1	1.1	1.1

Part numbering system (example : 10V1000μF)

RJ5	—	10	V	102	M	H3	#
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol	Additional symbol

Casing symbol

Size φD×L (mm)	Casing Symbol	Size φD×L (mm)	Casing Symbol
5×11	E3	12.5×25	I6
6.3×11	F3	16×25	J6
8×11.5	G3	16×31.5	J7
10×12.5	H3	16×35.5	J8
10×16	H4	18×35.5	K8
10×20	H5	18×40	K9
12.5×20	I5		

Standard Ratings

Rated voltage (V) Rated capacitance (μF) Item	6.3		10		16		25		35		50		63		100	
	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current
	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms
0.1	—	—	—	—	—	—	—	—	—	—	5×11	3	—	—	5×11	1.5
0.22	—	—	—	—	—	—	—	—	—	—	5×11	6	—	—	5×11	3.4
0.33	—	—	—	—	—	—	—	—	—	—	5×11	9	—	—	5×11	5
0.47	—	—	—	—	—	—	—	—	—	—	5×11	10	—	—	5×11	7.1
1	—	—	—	—	—	—	—	—	—	—	5×11	15	—	—	5×11	15
2.2	—	—	—	—	—	—	—	—	—	—	5×11	22	—	—	5×11	21
3.3	—	—	—	—	—	—	—	—	—	—	5×11	27	—	—	5×11	29
4.7	—	—	—	—	—	—	—	—	—	—	5×11	32	—	—	5×11	32
10	—	—	—	—	—	—	—	—	—	—	5×11	47	—	—	5×11	50
22	—	—	—	—	—	—	—	—	—	—	5×11	70	5×11	71	6.3×11	93
33	—	—	—	—	—	—	—	—	—	—	5×11	90	6.3×11	100	8×11.5	130
47	—	—	—	—	—	—	—	—	5×11	93	6.3×11	115	6.3×11	120	8×11.5	140
68	—	—	—	—	—	—	—	—	6.3×11	110	6.3×11	150	8×11.5	155	10×12.5	190
100	—	—	—	—	—	—	5×11	125	6.3×11	151	8×11.5	190	8×11.5	200	10×16	240
220	—	—	5×11	155	6.3×11	190	6.3×11	200	8×11.5	270	10×12.5	314	10×16	335	12.5×20	390
330	—	—	6.3×11	210	6.3×11	225	8×11.5	310	10×12.5	384	10×16	421	10×20	510	—	—
470	—	—	6.3×11	250	8×11.5	323	10×12.5	429	10×16	470	10×20	540	12.5×20	640	16×25	715
1000	8×11.5	398	10×12.5	460	10×12.5	500	10×16	610	12.5×20	857	12.5×25	1000	16×25	930	18×35.5	960
2200	10×16	635	10×16	705	10×20	710	12.5×25	1180	16×25	1380	16×31.5	1410	18×35.5	1650	—	—
3300	10×20	882	12.5×20	1010	12.5×25	1200	16×25	1440	16×31.5	1500	18×35.5	1990	—	—	—	—
4700	12.5×20	1120	12.5×25	1260	16×25	1500	16×25	1570	16×35.5	1780	—	—	—	—	—	—
6800	12.5×25	1380	16×25	1570	16×25	1600	16×35.5	1850	18×40	2000	—	—	—	—	—	—
10000	16×25	1750	16×31.5	1820	16×35.5	1930	18×40	2000	—	—	—	—	—	—	—	—
15000	16×31.5	1820	16×35.5	2050	18×40	2210	—	—	—	—	—	—	—	—	—	—
22000	18×35.5	2280	18×40	2420	—	—	—	—	—	—	—	—	—	—	—	—

(Note) Rated ripple current : 105°C, 120Hz

NOTE

Design, Specifications are subject to change without notice.
Ask factory for technical specifications before purchase and/or use.