

Code in front of series have been extracted from product code, which describes the segment of products, such as type and features.

- Compatible with surface mounting.
- Environmental : GREEN CAP™, RoHS compliance.
- Supplied with carrier taping.
- Guaranteed 2000 hours 105°C.

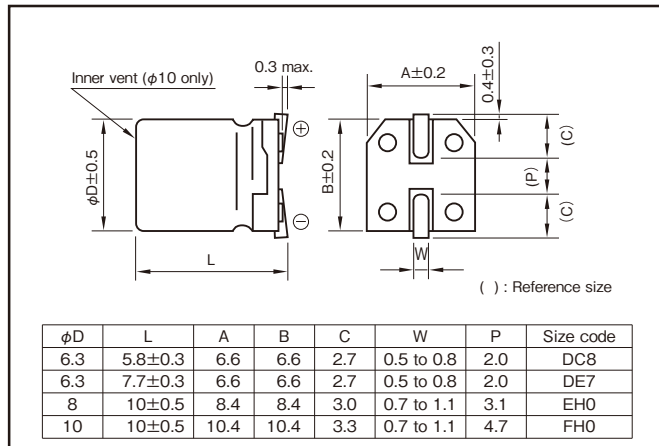


### Specifications

Item	Performance							
Category temperature range (°C)	-40 to +105							
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)							
Leakage current (μA) (max.)	0.01CV or 3 whichever is larger (after 2 minutes) C : Rated capacitance (μF), V : Rated voltage (V) (20°C)							
Tangent of loss angle (tanδ)								
	Rated voltage (V)	4	6.3	10	16	25	35	50
	tanδ (max.)	0.50	0.30	0.22	0.16	0.14	0.12	0.12
(20°C,120Hz)								
Characteristics at high and low temperature								
	Rated voltage (V)	4	6.3	10	16	25	35	50
	Impedance ratio (max.)	Z-25°C/Z+20°C	7	4	3	2	2	2
Endurance (105°C) (Applied ripple current)	Test time	2000 hours						
	Leakage current	The initial specified value or less						
	Percentage of capacitance change	Within ±20% of initial value						
	Tangent of loss angle	200% or less of the initial specified value						
Shelf life (105°C)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1							
Applicable standards	JIS C5101 - 1, - 18 (IEC 60384 - 1, - 18)							

### Outline Drawing

Unit : mm



Refer to individual page.  
(Soldering conditions, Land pattern size, The taping specifications)

### Coefficient of Frequency for Rated Ripple Current

Frequency (Hz)	50 · 60	120	1k	10k · 100k
Rated voltage (V)				
4 to 16	0.80	1	1.15	1.25
25 to 35	0.80	1	1.25	1.40
50	0.50	1	1.35	1.50

### Product code system : 16V100F (\*For general product)

RS*	VVR	101	M	1E	DC8	002	U
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Taping and packing code	Additional code

For details, refer to the various "Product Code System" pages.

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### Standard Ratings

Rated voltage(V) Item Rated capacitance(μF)	4 (1A)			6.3 (1J)			10 (1L)			16 (1E)			25 (1T)		
	Case φD×L (mm)	Size code	Rated ripple current (mAmps)	Case φD×L (mm)	Size code	Rated ripple current (mAmps)	Case φD×L (mm)	Size code	Rated ripple current (mAmps)	Case φD×L (mm)	Size code	Rated ripple current (mAmps)	Case φD×L (mm)	Size code	Rated ripple current (mAmps)
33	—	—	—	—	—	—	—	—	—	6.3×5.8	DC8	66	6.3×5.8	DC8	69
47	—	—	—	—	—	—	6.3×5.8	DC8	74	6.3×5.8	DC8	78	6.3×5.8	DC8	82
100	—	—	—	6.3×5.8	DC8	99	6.3×5.8	DC8	95	6.3×5.8	DC8	112	6.3×7.7	DE7	132
150	—	—	—	—	—	—	6.3×5.8	DC8	117	—	—	—	—	—	—
220	6.3×5.8	DC8	121	6.3×5.8	DC8	121	6.3×7.7	DE7	156	6.3×7.7	DE7	183	8×10	EH0	320
330	6.3×7.7	DE7	163	6.3×7.7	DE7	163	8×10	EH0	296	8×10	EH0	291	—	—	—
470	—	—	—	8×10	EH0	320	8×10	EH0	326	8×10	EH0	348	—	—	—
680	—	—	—	—	—	—	10×10	FH0	440	10×10	FH0	484	—	—	—
1000	—	—	—	10×10	FH0	495	—	—	—	—	—	—	—	—	—

Rated voltage(V) Item Rated capacitance(μF)	35 (1G)			50 (1U)		
	Case φD×L (mm)	Size code	Rated ripple current (mAmps)	Case φD×L (mm)	Size code	Rated ripple current (mAmps)
10	—	—	—	6.3×5.8	DC8	47
22	—	—	—	6.3×5.8	DC8	61
33	6.3×5.8	DC8	74	6.3×7.7	DE7	82
47	6.3×5.8	DC8	89	6.3×7.7	DE7	97
68	6.3×7.7	DE7	117	—	—	—
100	6.3×7.7	DE7	142	—	—	—
	8×10	EH0	283			
150	8×10	EH0	293	—	—	—
220	10×10	FH0	450	—	—	—

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