

HEA Series

Super Low ESR

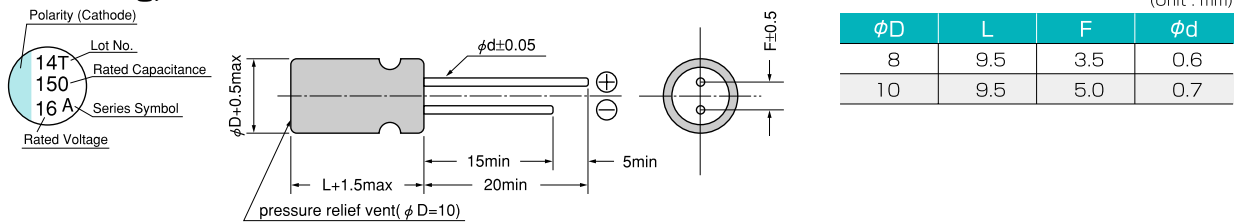
- 105°C 5,000hrs. ● Laminated aluminum case
- Solvent proof (within 2 minutes)

Specifications

Items	Condition	Specifications		
Rated voltage (V)	—	6.3	10	16
Surge voltage (V)	Room temperature	8.2	13	20
Category temperature range (°C)	—	-55 to +105		
Capacitance tolerance (%)	120Hz/20°C	M : ±20		
Dissipation Factor (tan δ)	120Hz/20°C	0.18	0.16	0.14
Leakage current (LC) ★	μA/after 2minutes (max)	The greater value of either 0.2CV or 100		
Endurance	105°C, 5,000hrs. rated voltage applied (With the rated ripple current)	ΔC/C	Within ±30% of the initial value	
		tan δ	≤ 2 times the initial specified value	
		ESR	≤ 2 times the initial specified value	
		LC	≤ The initial specified value	

★In case of some problems for measured values, measure after applying rated voltage for 120 minutes at 105°C.

Marking, Dimensions



Size List, Rated Ripple Current

μF	V	6.3		10			16		
47							8×9.5	22	2290
68							8×9.5	22	2290
100				8×9.5	18	2800	8×9.5	22	2290
150				8×9.5	18	2800	10×9.5	20	2920
220	8×9.5	16	3150	8×9.5	18	2800			
330	8×9.5	16	3150	8×9.5	18	2800			
390	8×9.5	16	3150						
470	8×9.5	16	3150	10×9.5	16	3650			
560	8×9.5	16	3150	10×9.5	16	3650			
680	10×9.5	15	3890						
820	10×9.5	15	3890						
1000	10×9.5	15	3890						

Please refer to page 20 for the ripple current frequency coefficient.

Case size: φD×L(mm)

Rated ripple current
mArms(100kHz, 105°C)
ESR(mΩ) 100kHz, 20°C

Model No.

