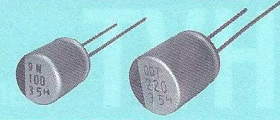


HEH Series

Super Low ESR
High Voltage, Long Life



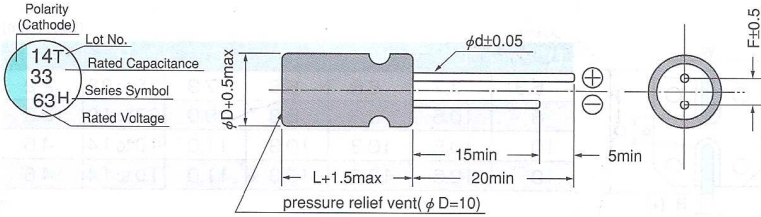
- 105°C, 10,000hrs. ● Laminated aluminum case
- Solvent proof (within 2 minutes)

NEW

Specifications

Items	Condition	Specifications						
Rated voltage (V)	—	25	35	40	50	63	80	100
Surge voltage (V)	Room temperature	32	44	50	63	79	100	125
Category temperature range (°C)	—	-55 to +105						
Capacitance tolerance (%)	120Hz/20°C	M: ±20						
Dissipation Factor (tan δ)	120Hz/20°C	0.16						
Leakage current (LC)	μA/after 2minutes (max)	The greater value of either 0.05CV or 100						
Temperature characteristics Impedance ratio	Based the value at 120Hz, +20°C	-55°C / Z/Z _{20°C}	1 to 2.5					
		105°C / Z/Z _{20°C}	0.6 to 1.0					
Endurance	105°C 10,000hrs. 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					

Marking, Dimensions



(Unit : mm)

φD	L	F	φd
8	9.5	3.5	0.6
10	9.5	5.0	0.7
10	11.5	5.0	0.7

Size List, ESR, Rated Ripple Current

μF	V	25		35		40		50			
33								8×9.5	35	1670	
56						8×9.5	32	1750	10×9.5	25	2320
82									10×11.5	19	2650
100				8×9.5	30	1800	10×9.5	24	2400		
120							10×11.5	18	2750		
150	8×9.5	27	1900	10×9.5	23	2470					
220				10×11.5	17	2830					
270	10×9.5	22	2530								
330	10×11.5	16	2900								

μF	V	63		80		100				
10						10×9.5	80	1450		
12				10×9.5	70	1600	10×9.5	80	1450	
15				10×9.5	70	1600	10×11.5	60	1660	
18				10×11.5	50	1830				
22	8×9.5	40	1560							
33	8×9.5 ★	40	1560							
	10×9.5	30	2100							
47	10×9.5	30	2100							
56	10×11.5	22	2400							

Case size: φD×L(mm)

Please refer to page 21 for the ripple current frequency coefficient.
★S type

Rated ripple current
mA rms (100kHz, 105°C) ESR(mΩ) max at 100kHz, 20°C

Model No.

