

HEH Series

105°C

High Voltage, Long Life

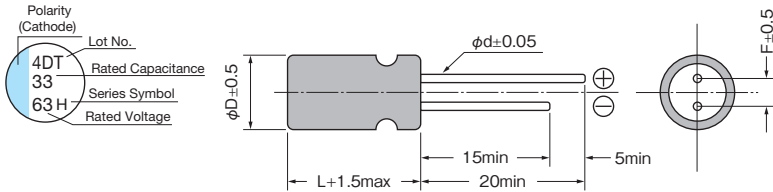


- 105°C 5,000 to 10,000hours
- Laminated case
- Solvent proof (within 2 minutes)
- AEC-Q200

Specifications

Items	Condition	Specifications			
Rated voltage (V)	—	50	63	80	100
Surge voltage (V)	Room temperature	63	79	100	125
Category temperature range (°C)	—	-55 to +105			
Capacitance tolerance (%)	120Hz/20°C	M : ±20			
Dissipation Factor(tan δ)	tanδ(max) 120Hz/20°C	0.16			
Leakage current(LC)	μA/after 2minutes (max)	The greater value of either 0.05CV or 100			
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ6.3 : 5,000hours, φ8-φ10 : 10,000hours		
		ΔC/C	Within ±30% of the initial value		
		tanδ	Not more than 200% of the specified value		
		ESR	Not more than 200% of the specified value		
		LC	Not more than the specified value		
Shelf Life	105°C, 1,000hours(with no voltage load)	Shall meet the endurance spec above after voltage treatment at 20deg.C per JIS C 5101-4 4.1.			

Marking, Dimensions



(Unit : mm)

φD	L	F	φd
6.3	7.2	2.5	0.45
8	9.5	3.5	0.6
10	9.5	5.0	0.7
10	11.5	5.0	0.7

Size, ESR, Rated Ripple Current

μF \ V	50			63			80			100		
10				6.3×7.2	100	1060				10×9.5	80	1450
12							10×9.5	70	1600	10×9.5	80	1450
15	6.3×7.2	80	1200				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						
47	8×9.5	35	1670	10×9.5	30	2100						
56				10×9.5	30	2100						
82	10×9.5	25	2320	10×11.5	22	2400						
	10×11.5	19	2650									

Please refer to page 20 for ripple current frequency coefficients.
★S type

Rated ripple current
mA rms(100kHz, 105°C)

Case size: φD×L(mm)
ESR(mΩ)max at 100kHz, 20°C

Part number

