

HEHF Series

105°C Long Life

High Capacitance

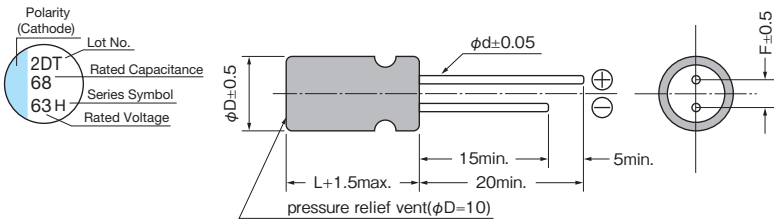


- 105°C 10,000hours ● Laminated case
- Solvent proof (within 2 minutes)
- AEC-Q200

■ Specifications

Items	Condition	Specifications					
Rated voltage (V)	—	25	35	50	63	80	100
Surge voltage (V)	Room temperature	32	44	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	0.14	0.12	0.10	0.08	0.08	0.08
Leakage current (LC)	μA/after 2minutes (max.), 20°C	The greater value of either 0.05CV or 100					
Endurance	105°C, 10,000hours rated voltage applied (With the rated ripple current)	ΔC/C	Within ±30% of the initial value				
		tanδ	Less than 200% of the specified value				
		ESR	Less than 200% of the specified value				
		LC	Less than the specified value				

■ 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

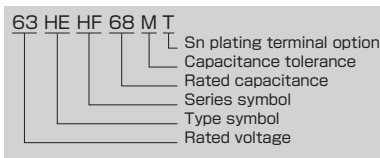
■ Size, ESR, Rated Ripple Current

μF \ V	25	35	50	63	80	100
10						8×9.5 60 1400
15				6.3×7.2 80 1500		10×9.5 45 1500
18						10×11.5 40 1580
22				6.3×7.2 80 1500	8×9.5 45 1550	
27					8×9.5 45 1550	
33			6.3×7.2 40 1600	8×9.5 40 1700	10×9.5 36 1700	
39					10×11.5 32 1800	
47				8×9.5 40 1700	10×9.5 36 1700	
56				10×9.5 30 1800	10×11.5 32 1800	
68		6.3×7.2 35 2000	8×9.5 30 1800	10×11.5 22 2100		
82				10×9.5 30 1800		
100	6.3×7.2 30 2000			10×11.5 22 2100		
120			10×9.5 28 2000			
150		8×9.5 27 2300	10×11.5 19 2300			
220	8×9.5 27 2300					
270		10×9.5 20 2500				
330	10×9.5 20 2500	10×11.5 17 2800				
470	10×11.5 16 2800					

Please refer to page 18 for ripple current frequency coefficients.

Case size: φD×L(mm) ESR(mΩ) max. at 100kHz, 20°C
 Rated ripple current mArms(100kHz, 105°C)

■ Part number



Soldering Condition
 Reflow Soldering Condition
 Ripple Current Frequency Coefficient

FVL
 HVHZ-HVH
 HVPZ-HVP
 HVT
 HVHF
 HVPF
 HVPX
 HVTX
 HVHY
 HVPY
 HVTY
 HVHC
 HVPC
 FVC
 FVF
 FVS
HEHF
 HEPF
 HEPC