

HVHF Series

105°C Long Life

High Capacitance

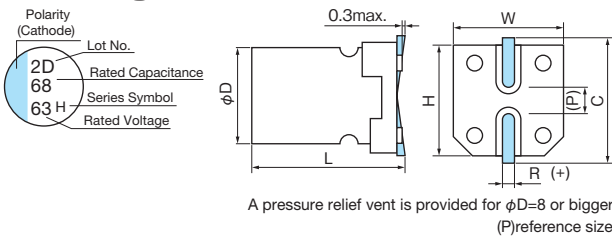


- 105°C 5,000 to 10,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

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 0.01CV					
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	10,000hours(φ6.3×6.0 5,000hours)				
		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)

D ^{+0.5}	L ^{+0.3}	W ^{+0.2}	H ^{+0.2}	C ^{+0.2}	R	P
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.5	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5	10.3	10.3	11.0	1.0 to 1.4	4.6
10	12.5	10.3	10.3	11.0	1.0 to 1.4	4.6

Size, ESR, Rated Ripple Current

μF \ V	25	35	50	63	80	100
10				6.3×6.0 120,1000		8×10.5 60,1400
15				6.3×6.0★ 120,1000 6.3×7.7 80,1500		10×10.5 45,1500
18						10×12.5 40,1580
22			6.3×6.0 80,1100	6.3×7.7 80,1500	8×10.5 45,1550	
27					8×10.5 45,1550	
33			6.3×7.7 40,1600	8×10.5 40,1700	10×10.5 36,1700	
39					10×12.5 32,1800	
47		6.3×6.0 60,1300		8×10.5 40,1700	10×10.5 36,1700	
56	6.3×6.0 50,1300			10×10.5 30,1800	10×12.5 32,1800	
68		6.3×7.7 35,2000	8×10.5 30,1800	10×12.5 22,2100		
82				10×10.5 30,1800		
100	6.3×7.7 30,2000			10×12.5 22,2100		
120			10×10.5 28,2000			
150		8×10.5 27,2300	10×12.5 19,2300			
220	8×10.5 27,2300					
270		10×10.5 20,2500				
330	10×10.5 20,2500	10×12.5 17,2800				
470	10×12.5 16,2800					

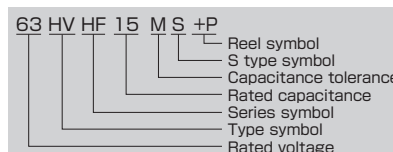
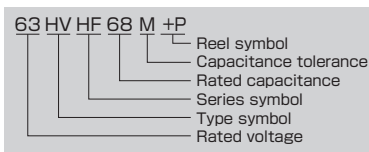
Please refer to page 18 for ripple current frequency coefficients.

★ S type

ESR(mΩ)max. at 100kHz, 20°C
Case size:φDxL(mm)

Rated ripple current
mA Arms(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