

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

# HVT Series

135°C



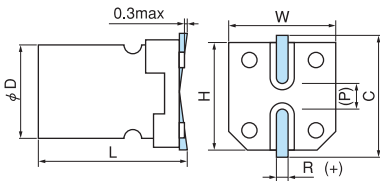
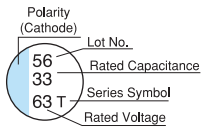
- 135°C, 1,000 to 2,000hours
- Solvent proof (within 2 minutes)

HVT  
↑ 135°C  
HVP (P.24)

## Specifications

Items	Condition	Specifications				
Rated voltage (V)	—	25	35	40	50	63
Surge voltage (V)	Room temperature	32	44	50	63	79
Category temperature range (°C)	—	-55 to +135				
Capacitance tolerance (%)	120Hz/20°C	M : ±20				
Dissipation Factor (tan δ)	tan δ (max) 120Hz/20°C	0.16				
Leakage current (LC)	μA/after 2minutes (max)	The greater value of either 0.01CV or 3				
Endurance	135°C rated voltage applied (With the rated ripple current)	Test	φ6.3 : 1,000hours, D <sub>z</sub> φ8 : 2,000hours			
		ΔC/C	Within ±30% of the initial value			
		tan δ	Less than 200% of the specified value			
		ESR	Less than 200% of the specified value			
		LC	Less than the specified value			

## Marking, Dimensions



A pressure relief vent is provided for φD=8 or bigger (P)reference size

(Unit : mm)

D <sup>+0.5max</sup>	L <sup>±0.3</sup>	W <sup>±0.2</sup>	H <sup>±0.2</sup>	C <sup>±0.2</sup>	R	P
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	40	50
15				6.3×7.7 80 670
27			6.3×7.7 70 700	
33				8×10.5 35 940
47		6.3×7.7 60 730		
56			8×10.5 32 980	10×10.5 25 1110
68	6.3×7.7 45 780			
82				10×12.5 19 1270
100		8×10.5 30 1010	10×10.5 24 1150	
120			10×12.5 18 1320	
150	8×10.5 27 1060	10×10.5 23 1180		
220		10×12.5 17 1360		
270	10×10.5 22 1220			
330	10×12.5 16 1390			

μF \ V	63
10	6.3×7.7 100 590
22	8×10.5 40 870
33	8×10.5★ 40 870
	10×10.5 30 1010
47	10×10.5 30 1010
56	10×12.5 22 1150

Rated ripple current  
mA<sub>rms</sub>(100kHz, 135°C)

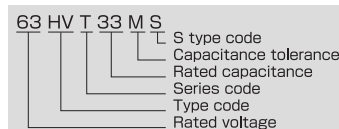
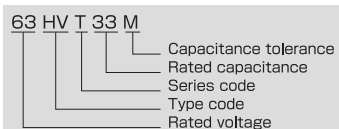
ESR(mΩ)  
max at 100kHz, 20°C

Case size:φDxL(mm)

Please refer to page 20 for ripple current frequency coefficients.

★ S type

## Part number



Basic Construction Features Characteristics

Advantages of EP-cap

Soldering Condition  
Reflow Soldering Condition  
Ripple Current Frequency Coefficient

HVA

HVBF

HVH

HVP

HVT

HVHZ

HVPZ

HVHF

HVPF

HEH

HEHZ

HEPZ