

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

HVBF Series

125°C



- 125°C 1,500 to 2,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

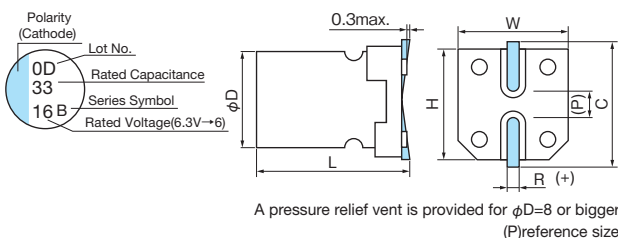
Specifications

Items	Condition	Specifications		
Rated voltage (V)	—	6.3	10	16
Surge voltage (V)	Room temperature	8.2	13	20
Category temperature range (°C)	—	-55 to +125		
Capacitance tolerance (%)	120Hz/20°C	M : ±20		
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.18	0.16	0.14
Leakage current (LC)★	μA/after 2minutes (max.)	The greater value of either 0.2CV or 100		
Endurance	125°C rated voltage applied (With the rated ripple current)	Test	φ6.3 : 1,500hours, D≥φ8 : 2,000hours	
		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	

★Please apply the rated voltage for 120 minutes at 105°C in case the measured value is bigger 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

Size, ESR, Rated Ripple Current

μF	6.3			10			16		
	V	Case size	ESR	V	Case size	ESR	V	Case size	ESR
33									
47				6.3×6.0	40	850	6.3×6.0	54	640
68				6.3×6.0	40	850	6.3×7.7	45	830
100	6.3×6.0	36	920	6.3×7.7	35	1020	8×10.5	22	1300
150	6.3×6.0	36	920				10×10.5	20	1650
220	6.3×7.7	32	1140						
330				8×10.5	18	1580			
560	8×10.5	16	1780	10×10.5	16	2060			
1000	10×10.5	15	2200						

Please refer to page 18 for ripple current frequency coefficients.

Case size:φDxL(mm)

ESR(mΩ)max. at 100kHz, 20°C

Rated ripple current
mA_{rms}(100kHz, 125°C)

Part number

