WH series 125℃ 標準品

WH Series

・125℃, 1000 hours standard series（紋波疊加）

• SPECIFICATIONS

Items	Characteristics
Category Temperature Range	- 40 to +125°C
Rated Voltage Range	10vto 63Vdc
Capacitance Tolerance	± 20% (M) (at 20°C ,120Hz)
Leakage Current	I=0.01CV or 4 μA , whichever is greater. Where, I :Max. Leakage current (μA). C : Nominal capacitance (μF) .V :Rated voltage(V) (at 20°C , after 2 minutes)
Dissipation Factor (tan δ)	Rated voltage (Vdc) 10V 16V 25V 35V 50V 63V tan δ (Max.) 0.19 0.16 0.14 0.12 0.10 0.08 (at 20°C ,120Hz)
Low Temperature Characteristics	Impedance ration max at 120Hz

Working voltage	10v	16v	25v	35v	50v	63v
Z-25°C/ Z+20°C	3	2	3	2	2	2
Z-40°C/ Z+20°C	6	4	4	4	4	4

Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for 1000 hours at 125°C
Capacitance change	≦±20% of the initial value
DF (tan δ)	≦200 % of the initial specified value
Leakage current	≦The initial specified value

Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 125°C without voltage applied.
Capacitance change	≦±20% of the initial value
DF (tan δ)	≦200 % of the initial specified value
Leakage current	≦The initial specified value

Ripple Current Multiplier

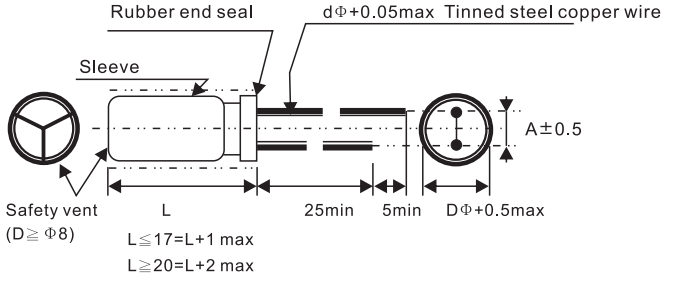
Temperature coefficient

Temperature(℃)	~55	75	85	105	125
Factor	2.20	2.10	2.00	1.75	1.00

Frequency coefficient

cap \ freq	60	120	1k	10k	100k
~100	0.70	1.00	1.70	1.85	2.00
100~1000	0.75	1.00	1.45	1.55	1.65
1000up	0.80	1.00	1.20	1.25	1.30

• Diagram: (Unit: mm)



Body Dia ΦD	5	8	10	13		16
				L≦21	L≧25	
Lead Dia Φd	0.5	0.5	0.6	0.6	0.8	0.8
Lead Space A	2	3.5	5			7.5

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• STANDARD RATING

Vdc / μF	10		16		25		35		50		63	
0.47											8*12	12
1											8*12	17
2.2											8*12	26
3.3											8*12	32
4.7											8*12	38
10							5*11	45	8*12	55	8*12	55
22							8*12	75	10*13	95	10*13	95
33							10*13	108	10*17	135	10*17	135
47			8*12	100	10*13	95	10*17	145	10*17	160	10*20	165
100	10*12.5	154	10*16	190	6.3*11 10*17	150 210	10*20	230	10*20	230	13*21	245
220	10*17	252	10*20	310	13*21	376	13*25	408	13*21	280	13*21	280
330	10*17	305	13*21	425	13*25	495	16*20	506				
470	10*20	380	10*17 13*25	450 515	16*20	608						
1000	10*25	720										

Case size ΦD×L (mm)

Rated ripple current (mArms)at 125°C, 120Hz

Ripple Current : mA/rms at 120Hz 125°C