HXC SERIES

105℃ High Ripple, Snap-in Terminal Type



◆FEATURES

- Load Life : 105℃ 2000 hours.
- Higher ripple current endurance than MXC series.
- RoHS compliance.

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	-25~+105℃
Rated Voltage Range	200, 400, 450V.DC
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I= $3\sqrt{CV}$ (After 5 minutes application of rated voltage) I= (μA) Leakage Current V= (V) Rated Voltage C= (μF) Rated Capacitance
Dissipation Factor(MAX) (tanδ)	(V) Rated Voltage: 200~400 / 450; tan δ: 0.15 / 0.20 (20℃,120Hz)
Impedance Ratio(MAX)	(V) Rated Voltage: 200 / 400~450; Z(-25℃)/Z(20℃): 3 / 8 (120Hz)
Endurance	After applying rated voltage with rated ripple current for 2000hrs at 105℃, the capacitors shall meet the following requirements. Capacitance Change: Within ±20% of the initial value. Dissipation Factor: Not more than 200% of the specified value. Leakage Current: Not more than the specified value.

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◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

(Hz) Frequency		60(50)	120	500	1k	10k≦
Coefficient	200WV	0.80	1.00	1.20	1.30	1.50
	400~450WV	0.80	1.00	1.20	1.25	1.40

◆PART NUMBER

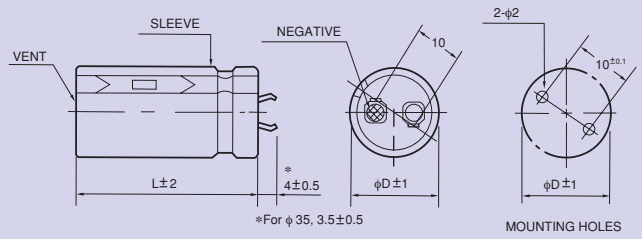
□□□ Rated Voltage | HXC Series | □□□□□ Rated Capacitance | □ Capacitance Tolerance | □□□ Option | SN Terminal Code | D×L Case Size

◆Option

	Code
PET Sleeve without plate	EFC
PVC Sleeve without plate	OOE
PVC Sleeve with plate	Blank

◆DIMENSIONS (mm)

SN [4(3.5)mm] terminal type



◆STANDARD SIZE

WV / Cap (μF) \ φD	200							
	φ 22		φ 25		φ 30		φ 35	
270	22×25	1.64						
330	22×30	1.89						
390	22×35	2.14	25×25	1.99				
470	22×40	2.41	25×30	2.32	30×25	2.27		
560	22×45	2.71	25×35	2.63	30×25	2.43		
680	22×50	3.06	25×35	2.81	30×30	2.82		
820			25×45	3.32	30×30	2.94	35×25	2.56
1000			25×50	3.72	30×35	3.36	35×30	3.07
1200					30×40	3.78	35×35	3.57
1500					30×50	4.48	35×40	4.01
1800							35×45	4.44
2200							35×50	4.90

WV / Cap (μF) \ φD	400							
	φ 22		φ 25		φ 30		φ 35	
82	22×30	0.81						
100	22×35	0.99	25×25	0.99				
120	22×40	1.19	25×30	1.19				
150	22×45	1.43	25×35	1.43	30×25	1.41		
180	22×50	1.60	25×40	1.61	30×30	1.61		
220			25×45	1.83	30×35	1.84		
270			25×50	2.06	30×40	2.10	35×30	2.00
330					30×45	2.36	35×35	2.29
390					30×50	2.62	35×40	2.56
470							35×45	2.86
560							35×50	3.15

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WV / Cap (μF) \ φD	450							
	φ 22		φ 25		φ 30		φ 35	
68	22×30	0.67						
82	22×35	0.81	25×25	0.81				
100	22×40	0.99	25×30	0.99				
120	22×45	1.19	25×35	1.19	30×25	1.19		
150			25×40	1.49	30×30	1.49	35×25	1.49
180			25×45	1.68	30×35	1.70	35×25	1.61
220			25×50	1.89	30×40	1.92	35×30	1.85
270					30×45	2.18	35×35	2.12
330					30×50	2.45	35×40	2.41
390							35×45	2.67
470							35×50	2.97

Ripple Current (A r.m.s./120Hz, 105°C)

Case Size φ D×L(mm)