

**HXC SERIES****105°C High Ripple, Snap-in Terminal Type****◆ FEATURES**

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

**◆ SPECIFICATIONS**

Items	Characteristics			
Category Temperature Range	-25~+105°C			
Rated Voltage Range	200, 400, 450V.DC			
Capacitance Tolerance	±20%(20°C,120Hz)			
Leakage Current(MAX)	$I = 3\sqrt{CV}$ (After 5 minutes application of rated voltage) $I = (\mu A)$ Leakage Current $V = (V)$ Rated Voltage $C = (\mu F)$ Rated Capacitance			
Dissipation Factor(MAX) (tanδ)	(V) Rated Voltage	200~400	450	(20°C,120Hz)
	tan δ	0.15	0.20	
Impedance Ratio(MAX)	(V) Rated Voltage	200	400~450	(120Hz)
	$Z(-25^{\circ}C)/Z(20^{\circ}C)$	3	8	
Endurance	After applying rated voltage with rated ripple current for 2000hrs at 105°C, 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.		

◆ 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

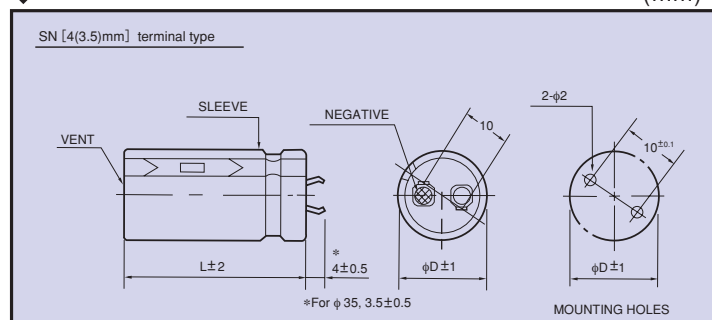
□□□	HXC	□□□□□	□	□□□	SN	D×L
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Terminal Code	Case Size

◆ Option

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

◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

Cap (μ F)	ϕ D	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

Cap (μ F)	ϕ D	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

Cap (μ F)	ϕ D	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)