HXG SERIES

105℃ High Ripple Current, Miniaturized

•Load Life: 105℃ 3000hours.

RoHS compliance



◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−25～+105℃
Rated Voltage Range	400～450Vdc
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=3 $\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	0.2 (20℃,120Hz)
Endurance	After applying rated voltage with rated ripple current for 3000 hours 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.
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc): 400～450 Z(−25℃)/Z(20℃): 8 (120Hz)

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	60(50)	120(100)	300	500	1k	10k≦
Coefficient	0.80	1.00	1.15	1.20	1.25	1.40

◆OPTION

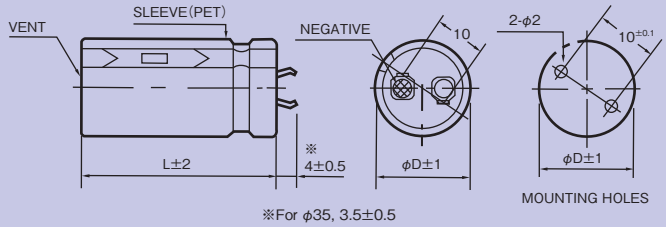
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

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

◆DIMENSIONS (mm)

●SN[4(3.5)mm]terminal type Terminal code : SN(Tin plating)



◆STANDARD SIZE

Vdc / Cap(μF) / φD	400									
	φ20		φ22		φ25		φ30		φ35	
68	20×25	0.94								
82	20×25	1.01	22×25	1.07						
100	20×30	1.18	22×25	1.15						
120	20×35	1.35	22×30	1.34	25×25	1.31				
150	20×40	1.56	22×35	1.55	25×25	1.43				
180	20×45	1.76	22×40	1.76	25×30	1.65	30×25	1.68		
220			22×45	1.99	25×35	1.90	30×30	1.88		
270			22×50	2.24	25×40	2.16	30×30	2.01	35×25	2.12
330					25×50	2.55	30×35	2.31	35×30	2.33
390							30×40	2.59	35×35	2.52
470							30×50	3.04	35×40	2.85
560									35×45	3.18
680									35×50	3.47

Vdc / Cap(μF) / φD	420									
	φ20		φ22		φ25		φ30		φ35	
68	20×25	0.92								
82	20×30	1.07	22×25	1.05						
100	20×35	1.23	22×30	1.22	25×25	1.20				
120	20×40	1.40	22×30	1.31	25×25	1.29				
150	20×45	1.60	22×35	1.52	25×30	1.51	30×25	1.49		
180	20×50	1.79	22×40	1.72	25×35	1.73	30×25	1.59		
220			22×50	2.03	25×40	1.97	30×30	1.85	35×25	1.74
270					25×45	2.22	30×35	2.12	35×30	2.04
330							30×40	2.41	35×30	2.16
390							30×45	2.68	35×35	2.45
470							30×50	2.98	35×45	2.92
560									35×50	3.23

Vdc / Cap(μF) / φD	450									
	φ20		φ22		φ25		φ30		φ35	
56	20×25	0.85								
68	20×25	0.92	22×25	0.97						
82	20×30	1.07	22×25	1.05						
100	20×35	1.23	22×30	1.22	25×25	1.20				
120	20×40	1.40	22×35	1.39	25×25	1.29				
150	20×50	1.66	22×40	1.60	25×30	1.51	30×25	1.49		
180			22×45	1.80	25×35	1.73	30×30	1.72		
220					25×40	1.97	30×30	1.85	35×25	1.74
270					25×50	2.32	30×35	2.12	35×30	2.04
330							30×45	2.53	35×35	2.33
390							30×50	2.80	35×40	2.61
470									35×45	2.92
560									35×50	3.23

Ripple Current (A r.m.s./120Hz, 105℃)

Case Size φD×L(mm)