

VXH 系列  
SERIES

105°C 5000小时 小型化品  
105°C 5000 hours, Miniaturized

·105°C 5000小时品。  
Load Life : 105°C 5000 hours.



规格表 / SPECIFICATIONS

项目 Items	特性 Characteristics							
工作温度范围 Category Temperature Range	-25~+105°C							
额定电压范围 Rated Voltage Range	200~450Vdc							
静电容量允许差 Capacitance Tolerance	±20% (20°C, 120Hz)							
漏电流 Leakage Current(MAX)	$I=3\sqrt{CV}$ (施加额定电压5分钟后) $I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I=漏电流(µA)      C=静电容量(µF)      V=额定电压(Vdc) Leakage Current      Capacitance      Rated Voltage							
损失角正切值(tan δ) Dissipation Factor(MAX)	0.2 (20°C, 120Hz)							
耐久性 Endurance	在105°C环境中, 不超过额定电压的范围内叠加额定纹波电流, 连续加载5000小时后, 满足以下各项要求。 After applying rated voltage with rated ripple current for 5000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1" style="margin-left: 20px;"> <tr> <td>静电容量变化率 Capacitance Change</td> <td>初期值的±20%以内 Within ±20% of the initial value.</td> </tr> <tr> <td>损失角正切值 Dissipation Factor</td> <td>规格值的200%以下 Not more than 200% of the specified value.</td> </tr> <tr> <td>漏电流 Leakage Current</td> <td>规格值以下 Not more than the specified value.</td> </tr> </table>	静电容量变化率 Capacitance Change	初期值的±20%以内 Within ±20% of the initial value.	损失角正切值 Dissipation Factor	规格值的200%以下 Not more than 200% of the specified value.	漏电流 Leakage Current	规格值以下 Not more than the specified value.	
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损失角正切值 Dissipation Factor	规格值的200%以下 Not more than 200% of the specified value.							
漏电流 Leakage Current	规格值以下 Not more than the specified value.							
低温特性 Low Temperature Stability (阻抗比) Impedance Ratio(MAX)	<table border="1" style="margin-left: 20px;"> <tr> <td>额定电压(Vdc) Rated Voltage</td> <td>200~250</td> <td>315~450</td> <td rowspan="2">(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>8</td> </tr> </table>	额定电压(Vdc) Rated Voltage	200~250	315~450	(120Hz)	Z(-25°C)/Z(20°C)	3	8
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Z(-25°C)/Z(20°C)	3	8						

纹波电流修正系数 / MULTIPLIER FOR RIPPLE CURRENT

频率(Hz) Frequency	60(50)	120(100)	300	500	1k	10k≤	
系数 Coefficient	200~250Vdc	0.80	1.00	1.15	1.20	1.30	1.50
	315~450Vdc	0.80	1.00	1.15	1.20	1.25	1.40

副记号 / OPTION

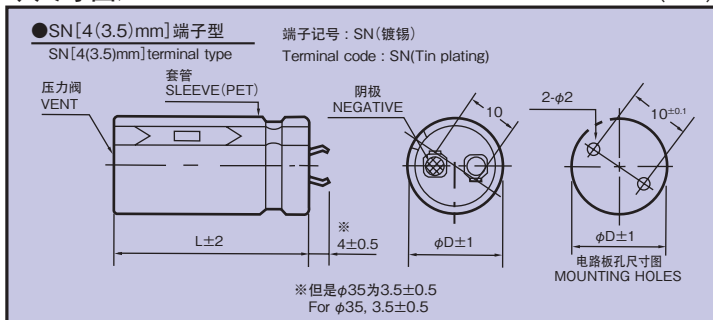
副记号	记号 Code
PET套管, 无底板 PET Sleeve without plate	EFC

产品型号体系 / PART NUMBER



尺寸图 / DIMENSIONS

(mm)



◆标准品一览表 / STANDARD SIZE

Cap(μF)	200				220			
	φ22	φ25	φ30	φ35	φ22	φ25	φ30	φ35
270					22×25: 1.33			
330	22×25: 1.41				22×30: 1.55			
390	22×30: 1.63				22×30: 1.63	25×25: 1.50		
470	22×30: 1.72	25×25: 1.57			22×35: 1.85	25×30: 1.76		
560	22×35: 1.95	25×30: 1.84			22×40: 2.08	25×30: 1.83	30×25: 1.64	
680	22×40: 2.22	25×35: 2.11	30×25: 1.69		22×45: 2.34	25×35: 2.10	30×30: 1.94	
820	22×50: 2.60	25×40: 2.37	30×30: 2.01	35×25: 1.68	22×55: 2.73	25×40: 2.35	30×30: 1.99	35×25: 1.89
1000	22×60: 3.00	25×45: 2.63	30×35: 2.30	35×30: 2.02		25×45: 2.65	30×35: 2.26	35×30: 2.15
1200		25×50: 2.88	30×40: 2.55	35×30: 2.22		25×60: 3.19	30×40: 2.53	35×35: 2.48
1500			30×45: 2.80	35×35: 2.56			30×50: 2.97	35×40: 2.50
1800			30×50: 3.08	35×40: 2.85			30×60: 3.43	35×45: 3.04
2200				35×50: 3.14				35×55: 3.18
2700				35×60: 3.49				

Cap(μF)	250				315			
	φ22	φ25	φ30	φ35	φ22	φ25	φ30	φ35
150					22×25: 1.00			
180					22×30: 1.14			
220					22×35: 1.31	25×25: 1.20		
270	22×25: 1.32				22×40: 1.49	25×30: 1.39		
330	22×30: 1.54	25×25: 1.45			22×45: 1.69	25×35: 1.59	30×25: 1.41	
390	22×35: 1.75	25×30: 1.68			22×50: 1.87	25×40: 1.78	30×30: 1.63	35×25: 1.48
470	22×40: 1.97	25×30: 1.75			22×55: 2.09	25×45: 1.99	30×35: 1.86	35×30: 1.74
560	22×45: 2.20	25×35: 1.99	30×25: 1.63		22×60: 2.29	25×50: 2.21	30×40: 2.08	35×30: 1.76
680	22×50: 2.45	25×40: 2.25	30×30: 1.92	35×25: 1.80		25×55: 2.44	30×45: 2.32	35×35: 2.01
820	22×60: 2.81	25×45: 2.49	30×35: 2.19	35×30: 1.94		25×60: 2.68	30×50: 2.55	35×40: 2.26
1000		25×55: 2.91	30×40: 2.44	35×35: 2.38			30×55: 2.78	35×50: 2.70
1200			30×45: 2.68	35×40: 2.47			30×60: 3.01	35×55: 2.92
1500			30×55: 3.15	35×45: 2.92				35×60: 3.12
1800				35×50: 3.04				
2200				35×60: 3.37				

Cap(μF)	350				385			
	φ22	φ25	φ30	φ35	φ22	φ25	φ30	φ35
120	22×25: 0.92				22×25: 0.93			
150	22×30: 1.08				22×30: 1.08			
180	22×35: 1.22	25×25: 1.13			22×30: 1.17	25×25: 1.13		
220	22×40: 1.39	25×30: 1.30			22×35: 1.33	25×30: 1.31		
270	22×45: 1.57	25×35: 1.49	30×25: 1.34		22×45: 1.58	25×35: 1.50	30×25: 1.33	
330	22×50: 1.77	25×40: 1.69	30×30: 1.56	35×25: 1.42	22×50: 1.78	25×40: 1.70	30×30: 1.55	35×25: 1.40
390	22×55: 1.96	25×45: 1.88	30×35: 1.77	35×30: 1.66	22×60: 2.03	25×45: 1.88	30×35: 1.76	35×30: 1.64
470	22×60: 2.17	25×50: 2.09	30×40: 1.99	35×35: 1.90		25×55: 2.18	30×40: 1.97	35×35: 1.87
560		25×55: 2.30	30×45: 2.20	35×40: 2.13		25×60: 2.39	30×45: 2.18	35×35: 1.89
680			30×50: 2.43	35×40: 2.17			30×50: 2.40	35×40: 2.12
820			30×55: 2.65	35×45: 2.39			30×60: 2.76	35×50: 2.53
1000				35×50: 2.61				35×55: 2.74
1200				35×60: 3.01				

Cap(μF)	400				420			
	φ22	φ25	φ30	φ35	φ22	φ25	φ30	φ35
100					22×25: 0.85			
120	22×25: 0.91				22×30: 0.97			
150	22×30: 1.06	25×25: 1.04			22×35: 1.12	25×25: 1.03		
180	22×35: 1.21	25×30: 1.19			22×40: 1.26	25×30: 1.19		
220	22×40: 1.37	25×30: 1.28	30×25: 1.25		22×45: 1.43	25×35: 1.36	30×25: 1.23	
270	22×45: 1.56	25×35: 1.47	30×30: 1.45		22×50: 1.61	25×40: 1.55	30×30: 1.44	35×25: 1.32
330	22×55: 1.81	25×40: 1.66	30×30: 1.55	35×25: 1.36	22×60: 1.86	25×45: 1.74	30×35: 1.64	35×30: 1.55
390		25×50: 1.93	30×35: 1.72	35×30: 1.61		25×55: 2.00	30×40: 1.83	35×35: 1.76
470		25×55: 2.14	30×40: 1.93	35×35: 1.83		25×60: 2.20	30×45: 2.04	35×35: 1.80
560			30×45: 2.13	35×40: 2.04			30×50: 2.24	35×40: 2.07
680			30×55: 2.48	35×45: 2.26			30×60: 2.57	35×50: 2.43
820				35×50: 2.47				35×55: 2.60
1000				35×60: 2.85				

Cap(μF)	450			
	φ22	φ25	φ30	φ35
100	22×25: 0.85			
120	22×30: 0.98	25×25: 0.96		
150	22×35: 1.13	25×30: 1.12		
180	22×40: 1.27	25×30: 1.19	30×25: 1.17	
220	22×45: 1.44	25×35: 1.37	30×30: 1.36	35×25: 1.27
270	22×55: 1.68	25×45: 1.62	30×30: 1.43	35×30: 1.48
330		25×50: 1.82	30×40: 1.75	35×30: 1.53
390		25×55: 2.00	30×45: 1.93	35×35: 1.74
470			30×50: 2.14	35×40: 1.95
560			30×55: 2.36	35×45: 2.16
680				35×50: 2.41

纹波电流 Ripple Current (A r.m.s./120Hz, 105°C)  
铝壳尺寸 Case Size φD×L(mm)