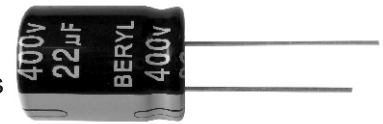


HY Series

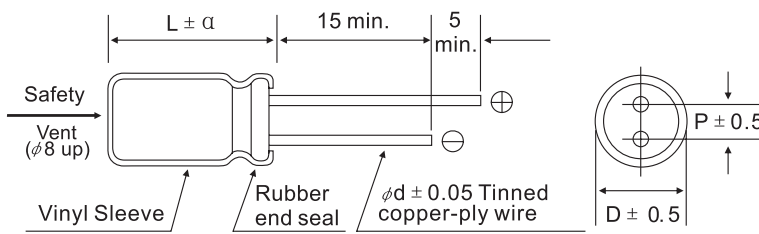
- Endurance with ripple current : 105°C 15,000 hours or 130°C 3,000 hours
- Especially designed for electronic ballast
- RoHS Compliant



■ 規格表 SPECIFICATIONS

項目 Items	特性參數 Characteristics			
使用溫度範圍 Category Temperature Range	-40 ~ +130°C (160 ~ 400V)		-25 ~ +130°C (450V)	
額定工作電壓範圍 Rated Voltage Range	160 ~ 450V			
靜電容量允許偏差 Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)			
漏電流 Leakage Current	Time	After 2minute 2分钟读数		after application of rated Voltage for 2 minutes. 施加工作電壓2分鐘後讀數。 I:漏電流 (µA)、C: 靜電容量 (µF)、額定電壓 (V)
	WV	I ≤ 0.02CV + 10		
	WV=160~400 WV=450	I ≤ 0.03CV + 10		
損耗角正切值 tan δ Dissipation Factor	Rated voltage(V)	160~400	450	(at 20°C, 120Hz)
	tan δ (Max)	0.08	0.10	
低溫特性 Low Temperature Characteristics (Max. Impedance Ratio)	電容器低溫的阻抗比值，不應超過下表所列出的值 Impedance ratio values must not exceed values listed in below table.			
	Rated voltage(V)	160~250	350~400	450
	Z(-25°C)/Z(+20°C) Z(-40°C)/Z(+20°C)	3 6	5 6	6 -
耐久性 Endurance	施加額定工作電壓和額定紋波電流，恢復後20°C後，產品性能應滿足以下要求 The following specifications shall be satisfied when the capacitors are restored at 20°C after application of rated voltage with rated ripple current.			
	Capacitance change	≅ ±20% of the initial value		
	D.F.(tan δ) Leakage current	≅ 200% of the specified value ≅ The specified value		
高溫儲存特性 Shelf Life	105°C存放1000小時，恢復到20°C後，產品性能應滿足以下要求 The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied.			
	Capacitance change	≅ ±20% of the initial value		
	D.F.(tan δ) Leakage current	≅ 200% of the specified value ≅ 500% of the specified value		

■ 外形圖 DIMENSIONS (mm)



ΦD	8	10~13	16~18	20~22
P	3.5	5.0	7.5	10
Φd	0.5	0.6	0.8	0.8

α	(L < 20) 1.5
	(L ≥ 20) 2.0

■ 紋波電流補正係數 RATED RIPPLE CURRENT COEFFICIENT

- 頻率係數 Frequency Coefficient

Frequency(Hz)	120	1K	10K	100K
	0.50	0.80	0.90	1.00

HY Series

■ 尺寸與最大紋波電流一覽表 STANDARD RATINGS

WV(V) Cap(μF)	160(2C)		200(2D)		250(2E)		350(2V)		400(2G)		450(2W)	
	1.0							8 × 12	65	8 × 14	70	8 × 16
1.5							10 × 13	70	10 × 13	85	10 × 16	89
1.8							10 × 16	80	10 × 16	90	10 × 16	93
2.2					8 × 12	82	10 × 16	90	10 × 16	95	10 × 16	98
2.8			8 × 12	80	10 × 13	88	10 × 16	95	10 × 16	100	10 × 16	105
3.3	8 × 12	90	8 × 12	90	10 × 13	100	10 × 16	105	10 × 16	110	10 × 16	118
4.7	10 × 13	95	10 × 13	100	10 × 16	108	10 × 20	130	10 × 20	128	10 × 20	130
5.6	8 × 16	100	8 × 16	110	10 × 16	108	13 × 20	150	13 × 20	142	13 × 20	148
6.8	8 × 16	110	8 × 16	120	10 × 16	122	13 × 20	220	13 × 20	215	13 × 20	220
8.2	10 × 16	120	10 × 16	210	10 × 16	130	13 × 20	235	13 × 20	260	13 × 20	280
10	10 × 16	255	10 × 16	250	10 × 20	278	13 × 20	280	13 × 20	280	13 × 20	322
15	10 × 16	415	10 × 20	415	13 × 20	455	13 × 25	300	13 × 25	325	13 × 25	420
22	10 × 20	500	10 × 20	500	13 × 20	600	16 × 26	355	16 × 26	435	16 × 30	558
33	13 × 20	500	13 × 20	600	13 × 25	600	16 × 30	500	16 × 30	635	16 × 35	700
47	13 × 25	665	13 × 25	665	16 × 26	715	16 × 35	665	18 × 35	835	20 × 35	880
68	16 × 26	765	16 × 26	755	16 × 30	925	20 × 35	855	20 × 35	1,000		
100	16 × 26	1,115	16 × 26	1,115	18 × 30	1,200	<p>Rated ripple current (mArms) at 130°C, 100KHz</p> <p>Case size ΦDXL (mm)</p>					
150	18 × 30	1,365	18 × 35	1,360	22 × 35	1,500						
220	20 × 25	1,395	22 × 35	1,700								