

HLN 系列 Series

特点 Features

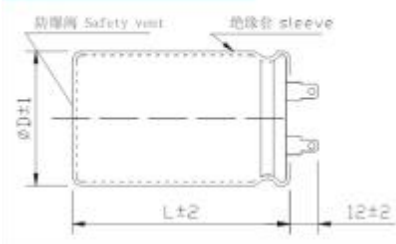
- 低损耗、高稳定、耐高纹波电流。Low dissipation factor, high stability, high ripple current.
- 用于变频空调提高功率因素。Use for air-conditioner, improving power factor improving.
- RoHS指令已对应完毕。
Adapted to the RoHS directive.



主要技术性能 Specifications

项目 Items	特性 Performance Characteristics
使用温度范围 Operating Temperature Range	-25~+85°C
额定电压范围 Rated Voltage Range	250V, 400V
标称电容量允许偏差 Nominal Capacitance Tolerance	±10% (120Hz, +20°C)
漏电流 Leakage Current	$I \leq 3 \sqrt{CV}$ (μA)或5mA 5分钟 取较小值 (at 20°C, after 5 minutes, Whichever is smaller)
损耗角正切值(tgδ) Dissipation Factor(+20°C, 120Hz)	0.05 (+20°C, 120Hz)
耐久性 Load Life	+85°C施加额定电压5000小时, 恢复16小时后: After applying rated voltage for 5000 hours at +85°C and then resumed for 16 hours: 电容量变化率 Capacitance change : ±20%初始测量值以内 ±20% of the initial measured value 漏电流 Leakage current : ≤初始规定值 ≤Initial specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 ≤2 times of the initial specified value
高温贮存 Shelf Life	+85°C, 1000小时贮存后, 加额定工作电压处理30分钟, 恢复16小时后: after storage for 1000 hours at +85°C, U_R to be applied for 30 minutes and then resumed for 16 hours: 电容量变化率 Capacitance change : ±20%初始测量值以内 ±20% of the initial measured value 漏电流 Leakage current : ≤初始规定值 ≤Initial specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 ≤2 times of the initial specified value

外形图 Case Table



单位 Unit:mm

D±1	35	40
F±1	14	14
L±2	80, 90, 100	100

允许纹波电流的修正系数 Frequency Coefficient

Frequency(Hz)	50,60	120	300	1K	≥10K
Factor	0.70	1.00	1.32	1.46	1.61

环境温度的修正系数 Temperature coefficient

Temperature(°C)	+45	+60	+70	+85
Factor	1.73	1.50	1.30	1.00

尺寸 Dimensions

Rated Voltage (D V C)	Surge Voltage (D V C)	Rated capacitance (μF)	Size	Ripple Current
250	300	200	35×80	3.78
		220	35×80	3.96
		330	35×80	4.83
		390	35×100	5.26
		470	35×100	5.58
400	450	70	35×80	2.65
		90	35×80	2.98
		100	40×100	3.15
		110	40×100	3.30
		150	40×100	3.85
		220	40×100	4.65

Size φ D× L(mm)
Maximum Allowable Ripple Current (A rms) at 85℃ 120 Hz