

KT 系列

Ratings for KT Series

85°C 2000小时 2000h at 85°C

- 高纹波电流 • High ripple current
- 适用于变频空调，工业变频器 • Used for air conditioner general-purpose inverter

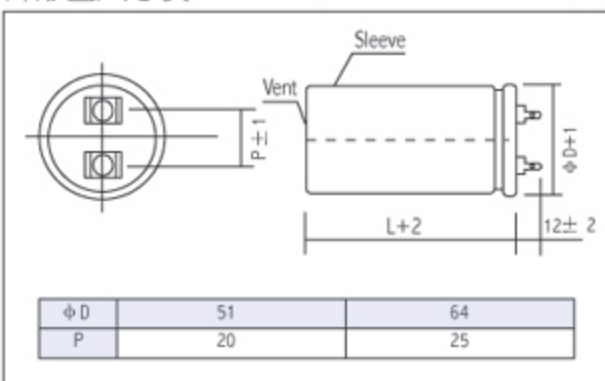


项目 Item	特性 Characteristics
使用温度范围(°C) Operating Temperature Range	-25~+85
额定电压范围(V) Voltage Range	400~450
标称电容量范围(µF) Capacitance Range	680~3900
标称电容量允许偏差 Capacitance Tolerance(20°C,120Hz)	± 20%
漏电流(µA) Leakage Current	$I \leq 0.01CV$ 或 5mA, 取较小者 (20°C,5分钟) C: 标称电容量 (µF) V: 额定电压 (V) $I \leq 0.01CV$ or 5mA whichever is smaller (at 20°C,after 5 minutes) C: Nominal Capacitance (µF) V: Rated Voltage (V)
损耗角正切值 (tg δ) Dissipation Factor(20°C,120Hz)	小于等于0.20 Less than 0.20

项目 Item	使用寿命 Useful Life		负载寿命 Load Life	耐久试验 Endurance Test	高温贮存 shelf Life
寿命 Lifetime	4000h	≥75000h	2000h	2000h	1000h
漏电流 Leakage Current	≤ 初始规定值 Not more than specified value		≤ 初始规定值 Not more than specified value	≤ 初始规定值 Not more than specified value	≤ 初始规定值 Not more than specified value
容量变化率 Capacitance Change	初始值 ± 30%以内 Within ± 30% of initial Value		初始值 ± 20%以内 Within ± 20% of initial Value	初始值 ± 10%以内 Within ± 10% of initial Value	初始值 ± 20%以内 Within ± 20% of initial Value
损耗变化率 Dissipation Factor	≤ 初始规定值的3倍 Not more than 300% of specified value		≤ 初始规定值的2倍 Not more than 200% of specified value	≤ 初始规定值的1.3倍 Not more than 130% of specified value	≤ 初始规定值的2倍 Not more than 200% of specified value
使用条件 Condition: 使用电压 APPLIED Voltage 使用电流 Applied Current 使用温度 APPLIED Temperature	U_R I_R 85°C	U_R $1.4 \times I_R$ 40°C	U_R I_R 85°C	U_R $I_R=0$ 85°C	$U_R=0$ $I_R=0$ 85°C 试验后: 额定电压30分钟后 恢复24小时施加 After test: U_R to be applied for 30min >24h before measurement

SNAP-IN/LUG

外形图尺寸表 Dimensions mm



频率系数 Frequency Coefficient

频率 Frequency	50~60Hz	120Hz	300Hz	1KHz	≥ 10kHz
系数 Factor	0.70	1.00	1.10	1.30	1.40

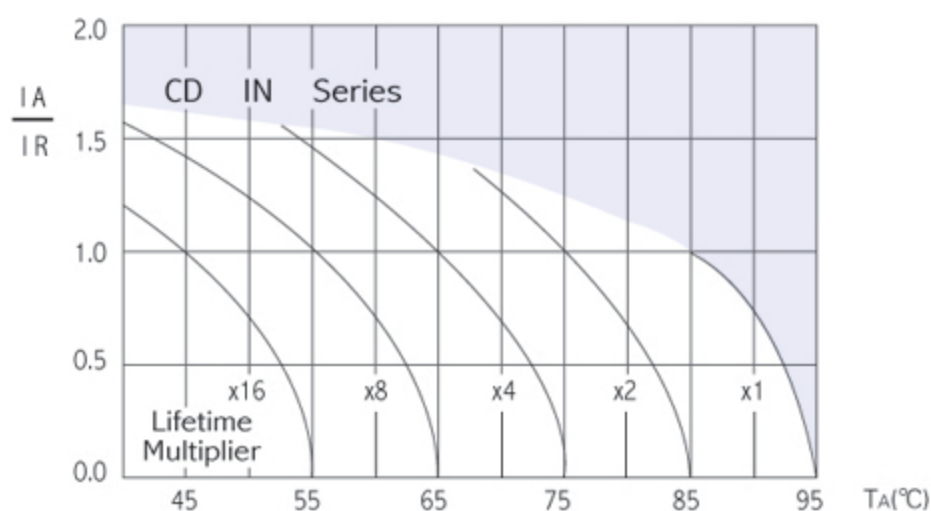


CD IN 系列

Ratings for CD IN Series

U _R (Surge Voltage) Code	Rated Capacitance	Dissipation Factor	Leakage Current	Max ESR 20°C, 120HZ	Rated Ripple Current 85°C 120HZ	Size Φ DXL
(V)	(μF)	—	(mA)	(mΩ)	(Arms)	(mm)
400 (450) 2G	680	0.20	2.7	421	2.7	51×64
	820	0.20	3.2	349	3.0	51×64
	100	0.20	4	287	3.5	51×75
	1200	0.20	4.8	239	3.8	51×75
	1500	0.20	5.0	191	4.7	51×96
	1800	0.20	5.0	159	5.1	51×96
	2200	0.20	5.0	130	6.2	51×121
	2700	0.20	5.0	107	6.9	64×96
	3300	0.20	5.0	86.8	7.9	64×105
	3900	0.20	5.0	73.5	9.0	64×121
450 (500) 2W	680	0.20	2.7	421	2.6	51×64
	820	0.20	3.2	349	3.1	51×75
	1000	0.20	4.8	287	3.5	51×75
	1200	0.20	5.0	239	4.3	51×96
	1500	0.20	5.0	191	4.8	51×109
	1800	0.20	5.0	159	5.5	51×121
	2200	0.20	5.0	130	6.3	64×96
	2700	0.20	5.0	106.2	7.1	64×105
	3300	0.20	5.0	86.8	8.3	64×121
	3900	0.20	5.0	73.5	9.8	64×144

寿命曲线 Lifetime Diagram



IA = actual ripple current at 120HZ, IR = rated ripple current at 120HZ, 85°C
Multiplier of Useful Life as a function of ambient temperature and ripple current load