

UNCDIN型

- 高纹波,85℃ 5000 小时 ,可用于变频空调、变极器。
High ripple current ,Load life of 5000 hours at 85℃.Used for air conditioner , general-purpose inverter.
- ROHS 指令已对应完毕。
Adapted to the ROHS directive.

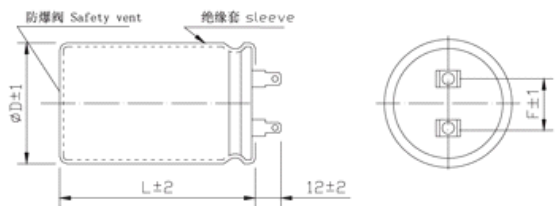


主要技术性能 Specifications

项目 Item	特性 Performance Characteristics
使用温度范围 Operating temperature range	-25℃ ~ +85℃
额定电压范围 Rated voltage range	400~450 V
标称容量允许偏差 Capacitance tolerance	±20% (120Hz, +20℃)
漏电流 Leakage current	$I \leq 0.01CV(\mu A)$ 或5mA 5分钟 取较小值 (at 20℃, after 5 minutes , Whichever is smaller)
损耗角正切值 (tg δ) Dissipation factor (+20℃, 120Hz)	小于图表中规定的数值 Less than the value specified in the standard products tables
耐久性 Load life	+85℃施加额定电压 2000 小时, 恢复 16 小时后: After applying rated voltage for 2000 hours at +85℃ and then resumed 16 hours: 电容量变化率 Capacitance change : ±20%初始测量值以内 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 2times Initial specified value
高温贮存 Shelf life	+85℃,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℃ , U_R to be applied for 30 minutes and then resumed 16 hours 电容量变化率 Capacitance change : ±20%初始测量值以内 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 2times Initial specified value

外形图 Case table

单位Unit: mm



ΦD	50	63.5
F	20	25

允许纹波电流的修正系数 Frequency coefficient

Frequency(Hz)	50,60	120	300	1K	10K
Factor	0.7	1.0	1.10	1.30	1.40

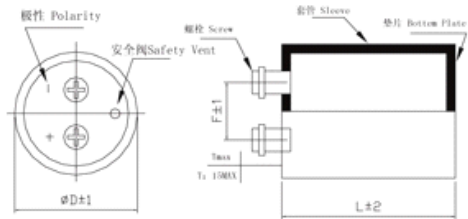
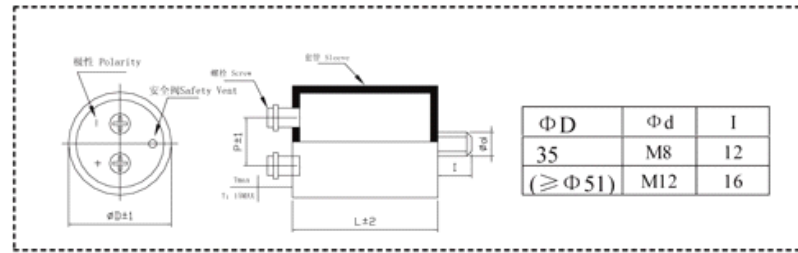
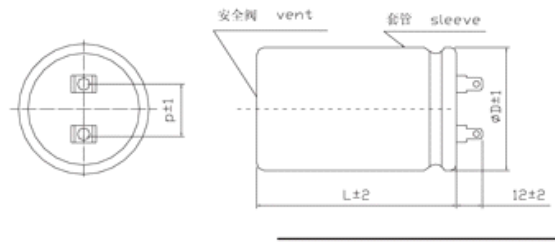
环境温度的修正系数 Temperature coefficient

Temperature(℃)	+40	+60	+70	+85
Factor	2.7	2.02	1.67	1.0

尺寸 DIMENSIONS

Rated Voltage (V.D.C)	Surge Voltage (V.D.C)	Rated capacitance (μ F)	Leakage Current MAX(mA)	Dissipation Factor MAX	Ripple Current 85℃ 120Hz(Arms)	Size	
						Code	Φ D×L(mm)
400	450	680	2.72	0.20	2.7	C7R	50×65
		820	3.28	0.20	3.0	C7R	50×65
		1000	4.00	0.20	3.5	C8R	50×75
		1200	4.80	0.20	3.8	C8R	50×75
		1500	5.00	0.20	4.7	C10R	50×95
		1800	5.00	0.20	5.1	C10R	50×95
		2200	5.00	0.20	6.2	C12	50×120
		2500	5.00	0.20	7.0	D10	63.5×100
		2700	5.00	0.20	7.3	D10R	63.5×95
		3300	5.00	0.20	7.9	D11	63.5×105
		3900	5.00	0.20	9.0	D12	63.5×120
		420	470	680	2.86	0.20	2.8
820	3.44			0.20	3.2	C7R	50×65
1000	4.2			0.20	3.5	C8R	50×75
1200	5.00			0.20	4.2	C8R	50×75
1500	5.00			0.20	4.8	C10R	50×95
1800	5.00			0.20	5.3	C10R	50×95
2200	5.00			0.20	6.3	C12	50×120
2700	5.00			0.20	7.1	D11	63.5×105
450	500	680	3.06	0.20	2.6	C7R	50×65
		820	3.69	0.20	3.1	C8R	50×75
		1000	4.50	0.20	3.5	C8R	50×75
		1200	5.00	0.20	4.3	C10R	50×95
		1500	5.00	0.20	4.8	C11	50×110
		1800	5.00	0.20	5.5	C12	50×120
		2200	5.00	0.20	6.3	D10R	63.5×95
		2700	5.00	0.20	7.1	D11	63.5×105
		3300	5.00	0.20	8.3	D12	63.5×120
		3900	5.00	0.20	9.8	D15	63.5×145

额定纹波电流 Rated ripple current (A,+85℃,120Hz)

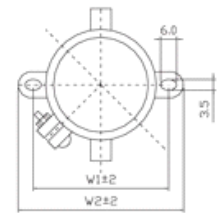


LUG

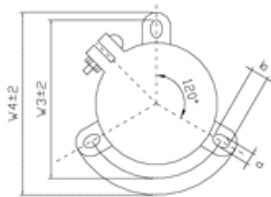
ΦD	P	ΦD	P
35	14	51	20
40	14	63.5	25

SCREW

Case code	ΦD	L	P	I type bracket		Y type bracket	
				W1	W2	W3	W4
A5	35	50	12.7	48.0	58.0		
A6	35	65	12.7	48.0	58.0		
A8	35	80	12.7	48.0	58.0		
A10	35	100	12.7	48.0	58.0		
A12	35	120	12.7	48.0	58.0		
C8	51	80	22.0	(68.0)	(80.0)	63.5	73.0
C10	51	100	22.0	(68.0)	(80.0)	63.5	73.0
C11	51	110	22.0	(68.0)	(80.0)	63.5	73.0
C12	51	120	22.0	(68.0)	(80.0)	63.5	73.0
D10	63.5	100	28.6	(81.0)	(93.0)	76.2	85.1
D11	63.5	105	28.6	(81.0)	(93.0)	76.2	85.1
D12	63.5	120	28.6	(81.0)	(93.0)	76.2	85.1
D15	63.5	145	28.6	(81.0)	(93.0)	76.2	85.1
E10	76	100	32.0	(93.5)	(106.0)	88.9	98.4
E12	76	120	32.0	(93.5)	(106.0)	88.9	98.4
E15	76	145	32.0	(93.5)	(106.0)	88.9	98.4
E16	76	160	32.0	(93.5)	(106.0)	88.9	98.4
F15	89	145	32.0	(108.0)	(120.5)	101.6	111.1
F16	89	160	32.0	(108.0)	(120.5)	101.6	111.1
C7R	51	65	22.0	(68.0)	(80.0)	63.5	73.0
C8R	51	75	22.0	(68.0)	(80.0)	63.5	73.0
C10R	51	95	22.0	(68.0)	(80.0)	63.5	73.0
C12R	51	115	22.0	(68.0)	(80.0)	63.5	73.0
C13R	51	130	22.0	(68.0)	(80.0)	63.5	73.0
D10R	63.5	95	22.0	(81.0)	(93.0)	76.2	85.1
D12R	63.5	115	28.6	(81.0)	(93.0)	76.2	85.1
D13R	63.5	130	28.6	(81.0)	(93.0)	76.2	85.1
D16R	63.5	155	28.6	(81.0)	(93.0)	76.2	85.1
D20R	63.5	195	28.6	(81.0)	(93.0)	76.2	85.1
E10R	76	95	28.6	(93.5)	(106.0)	88.9	98.4
E12R	76	115	32.0	(93.5)	(106.0)	88.9	98.4
E13R	76	130	32.0	(93.5)	(106.0)	88.9	98.4
E16R	76	155	32.0	(93.5)	(106.0)	88.9	98.4
E17R	76	170	32.0	(93.5)	(106.0)	88.9	98.4
E20R	76	195	32.0	(93.5)	(106.0)	88.9	98.4
F13R	89	130	32.0	(108.0)	(120.5)	101.6	111.1
F16R	89	155	32.0	(108.0)	(120.5)	101.6	111.1
F17R	89	170	32.0	(108.0)	(120.5)	101.6	111.1
F20R	89	195	32.0	(108.0)	(120.5)	101.6	111.1
F24R	89	235	32.0	(108.0)	(120.5)	101.6	111.1
G18R	101	175	41.5	(32)		115	127
G20R	101	195	41.5	(32)		115	127
G24R	101	235	41.5	(32)		115	127

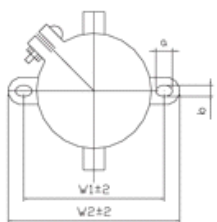


I Type
($\Phi D=36$)



Y Type
($\Phi D=51-101$)

ΦD	a	b
51-89	7	4.5
101	8	4.5



I Type
($\Phi D=51-90$)

ΦD	a	b
51-76	6	4.5
101	7	5

Hexagon-head bolt

Case code(A to F): M5 × 10

Case code(G:) M6 × 12(P=32.0)

M8 × 16(P=41.5)