

FEATURES

- Aluminum cylindrical housing package, Sealed with resin
- Copper nut / screw leads, insulated plastic cover positioning,easy installation
- Large capacity, small size
- Resistance to high voltage, with self-healing
- High ripple current, high dv / dt withstand capability

APPLICATIONS

- Widely used in power electronic equipment used for the AC filter
- In the high-power UPS, switching power supply, inverter and other equipment for the AC filter, harmonics and improve power factor control

E62-3ph



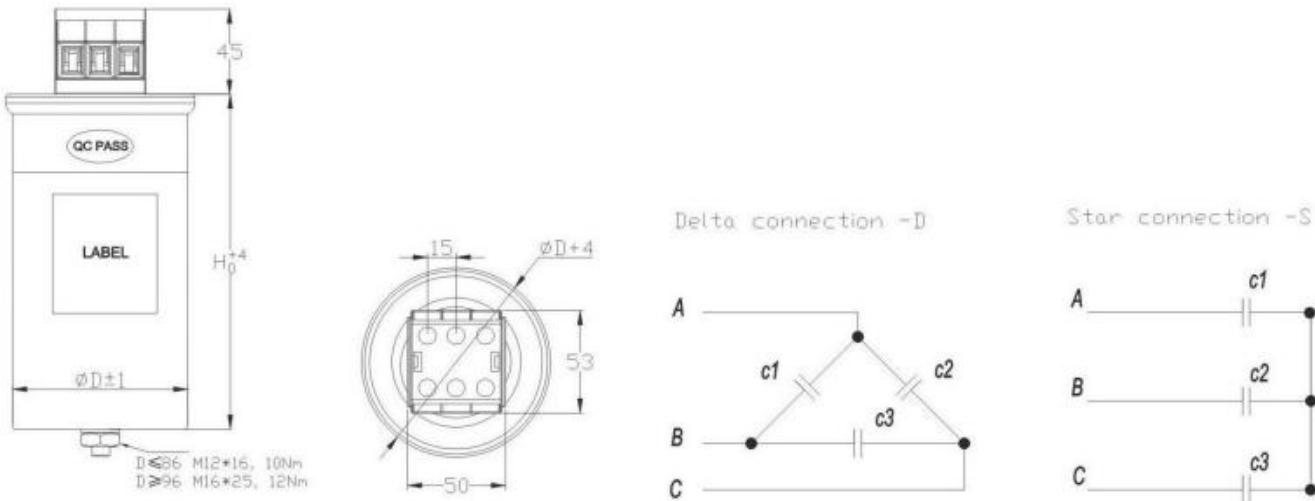
TECHNICAL DATA

工作温度范围/ Operating temperature range	Max.Operating temperature.,Top,max : +85℃ Upper category temperature : +70℃ Lower category temperature : -40℃
容量范围/ Capacitance range	3*17~3*200μF
额定电压/ Rated voltage	400V.AC~850V.AC
容量偏差/ Capacitance tolerance	±5% (J) ; ±10% (K)
极间耐压/ Test voltage between terminals	1.25U _N (AC) / 10S or 1.75U _N (DC) / 10S
极壳耐压/ Test voltage terminal to case	3000V.AC / 2S,50/60Hz
过电压/ Over voltage	1.1U _{rms} (30% of on – load – dur.)
	1.15U _{rms} (30min / day)
	1.2U _{rms} (5min / day)
	1.3U _{rms} (1min / day)
损耗角正切/ Dissipation factor	Tgδ ≤ 0.002 f = 100Hz
自感/ Self inductance	<70 nH per mm of lead spacing
绝缘电阻/ Insulation resistance	R _S ×C ≥ 10000S (at 20℃ 100V.DC)
耐脉冲电流冲击/ Withstand strike current	See the specification sheet
有效电流/ Irms	See the specification sheet
寿命预期/ Life time expectancy	Useful life time: >100000h at U _{NDC} and 70℃ FIT: <10×10 ⁻⁹ /h(10 per 10 ⁹ component h) at 0.5×U _{NDC} ,40℃
电解质/ Dielectric	Metallized polypropylene
结构/ Construction	Filling with inert gas/ silicone oil, Non-inductive, over-pressure
外壳/ Case	Aluminum case
阻燃性/ Flame retardation	UL94V-0
引用标准/ Reference standard	IEC61071,UL810

SAFETY APPROVALS

 E496566	UL	UL810, Voltage Limits: Max. 4000VDC, 85°C Certificate No.: E496566
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THE CONTOUR MAP



SPECIFICATION TABLE

C _N (μF)	ΦD (mm)	H (mm)	I _{max} (A)	I _p (A)	I _s (A)	ESR (mΩ)	R _{th} (K/W)
Urms=400V.AC							
3*17	65	150	20	450	1350	3*1.25	6.89
3*30	65	175	25	890	2670	3*1.39	6.25
3*50	76	205	33	1167	3501	3*1.35	4.85
3*66	76	240	40	1336	4007	3*1.45	3.79
3*166.7	116	240	54	1458	4374	3*0.69	3.1
3*200	136	240	58	2657	7971	3*0.45	2.86
Urms=450V.AC							
3*50	86	205	30	802	2406	3*1.35	4.36
3*80	86	285	46	1467	4401	3*1.89	3.69
3*100	116	210	56	2040	6120	3*1.5	3.8
3*135	116	240	58	2680	8040	3*1.6	3.1

3*150	136	205	67	3060	9180	3*2.5	3.2
3*200	136	240	60	3730	11190	3*2	3.46
Urms=530V.AC							
3*50	86	240	32	916	2740	3*1.75	3.64
3*66	96	240	44	1547	4641	3*1.36	3.32
3*77	106	240	48	1685	5055	3*1.16	3.21
3*100	116	240	65	2000	6000	3*1.87	4.2
Urms=690V.AC							
3*25	86	240	29	697	2091	3*2.22	3.54
3*33.4	96	240	36	837	2511	3*1.81	3.21
3*55.7	116	240	44	1395	4185	3*1.24	3.04
3*75	136	240	53	2100	6300	3*1.31	2.87
Urms=850V.AC							
3*25	96	240	30	679	2037	3*1.95	3.25
3*31	106	240	36	906	2718	3*1.57	2.98
3*55.7	136	240	49	1721	5163	3*0.9	2.56
Urms=1200V.AC							
3*12	116	245	56	1300	3900	3*3.5	3.6
3*20	136	245	56	3300	9900	3*4	2.29

■ **Maximum increase of the component temperature (ΔT), resulting from the component's power dissipation and heat conductivity.**

The maximum component temperature-increase ΔT is the difference between the temperature measured on the capacitor's housing and the ambient temperature (in proximity to the capacitor) when the capacitor is working during normal operation. During operation ΔT must not exceed 15°C at rated temperature. ΔT corresponds the rise of the component temperature caused by the I_{rms} . In order not to exceed ΔT of 15°C at rated temperature, the I_{rms} must be decreased with an increase of the ambient temperature.

$$\Delta T = P/G$$

$$\Delta T = T_c - T_{amb}$$

$$P = I_{rms}^2 \times ESR = \text{power dissipation (mW)}$$

$$G = \text{heat conductivity (mW/°C)}$$