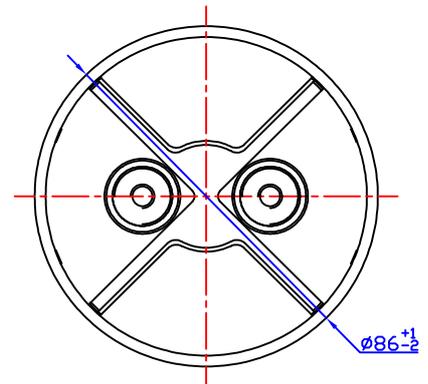
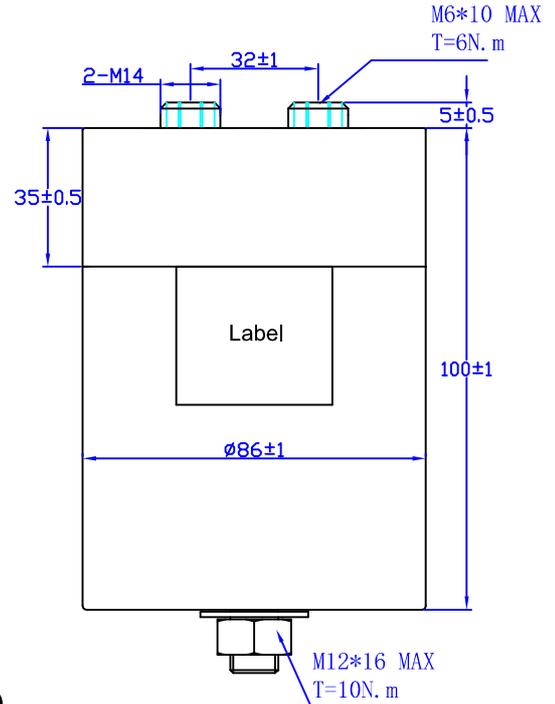


# C30

## Technical Data:

- Cn: 470μF
- Tolerance: -10%~+10%
- Un: 700Vdc
- Imax: 60Arms @ Ta=55°C
  
- ESR: ≤1.5mΩ @ 1KHZ/25°C
- ESL: ≤ 40nH @ 1MHz/25°C
- Rth: 5.1°C/W hot-spot/Amb
- Loss angle of ed the capacitor:  
tanδ ≤0.0020 @ 100Hz/25°C
- Dielectric loss factor:  
tand=0.0002 @ 100Hz/25°C
- Over voltage: 1.1Un 7.2hours/day  
1.15Un 30min/day  
1.2Un 5min/day  
1.3Un 1min/day
  
- Test voltage between terminal: 1.5Undc/10s (at 25°C)
- Test voltage between terminal to case: 3800Vac/10s (50/60Hz)



- Operation temperature: -40/85°C
- Storage temperature: -40/85°C
- Altitude: ≤2000 meters
- Life expectancy: 100,000 hours @Un, Thot-sopt=70°C
- Failure rate: <100FIT
- End of life specification: 5% capacitance drift
- Thermal Calculation:  
Thot-spot≈Tamb+I<sup>2</sup>rms\*ESR\*Rth

- Impregnation: epoxy resin
- Dielectric: Polypropylene film
- Case: Aluminum can
- Terminal Type: L1
- Reference Standard: IEC61071-2007, UL94-V0,
- Safety Approvals: UL (Certificate NO.E185116)

Material regist

CAD

Check

Former diagram NO.

Diagram NO.						Order. NO	
						<b>DCL SY 700-470</b>	
Signature	Symbol	Amount	Zone	Doc. NO	Signature	Date	
	Design	刘俊文	2024-05-05	Standard	侯平良	2024-05-05	
	Drawing	刘俊文	2024-05-05				
Date	Auditing	梁梓谨	2024-05-05				Ver
	Technics	邓目成	2024-05-05	Approved	罗杰峰	2024-05-05	A
						Top Page1 Page1	