

Power Electronic Capacitors (PEC)



ADDITIONAL RESOURCES


[3D Models](#)

FEATURES

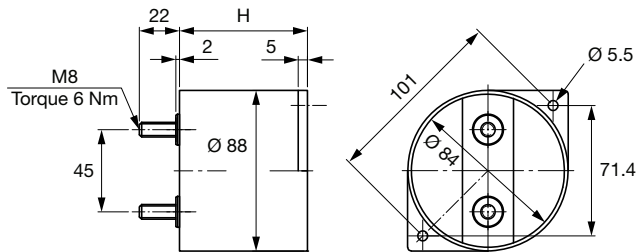
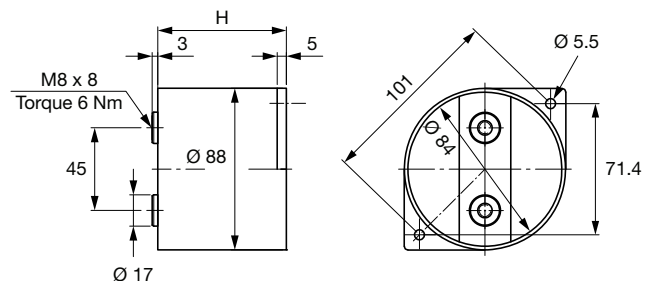
- Very low inductance
- Extremely low losses at high frequencies
- Low serial resistance
- High current ratings
- High impulse discharge current capability
- Resistance to heavy duty shock vibration
- High reliability and life expectation
- Integrated flanges for easy mounting

APPLICATIONS

- Voltage converters
- Frequency converters
- Traction drives
- Industrial drives
- UPS
- Medical equipment

| QUICK REFERENCE DATA | |
|-------------------------------|---|
| DESCRIPTION | VALUE |
| Rated DC voltage min. | 700 V _{DC} |
| Rated DC voltage max. | 2150 V _{DC} |
| Capacitance min. | 15 µF |
| Capacitance max. | 230 µF |
| Capacitance tolerance | ± 5 % or ± 10 % |
| Technology | Metallized polypropylene film, self-healing |
| Dielectric dissipation factor | < 2 x 10 ⁻⁴ |
| Operating temperature min. | -40 °C |
| Operating temperature max. | +85 °C (hotspot) |
| Inductance | < 30 nH |
| Lifetime expectancy | > 100 000 h at U _{NDC} and < 60 °C hotspot |
| Reliability | < 300 FIT |
| Test voltage | U _{tt} = 1.5 x U _{NDC} /10 s; U _{tc} = 2 x U _{NDC} + 1000 V _{AC} /10 s |
| Casing | Polyester (UL 94 V-0) |
| Filling | Dry resin (UL 94 V-0) |
| Standard | IEC 61071, IEC 61881-1 |

| TYPE DESCRIPTION | | | | | | | | | | | |
|--|------------------------|--|------------------------|--------------------------|--------------------------|-------------------|---------------------|-----------|--------------|-------------------|----------------|
| TYPE | C _N (μF) | U _{NDC} (V _{DC}) | R _S (mΩ) | R _{th} (K/W) | I _{max.} (A) | \hat{i} (kA) | \hat{I}_S (kA) | H (mm) | DIA. (mm) | MOQ / PU (pcs) | DRAWING NO. |
| GLI 700, U_{NDC} = 700 V_{DC} | | | | | | | | | | | |
| 700-35 | 35 | 700 | 0.4 | 6.4 | 80 | 1.0 | 3.0 | 38 | 88 | 4 | 1 and 2 |
| 700-160 | 160 | 700 | 0.6 | 6.0 | 60 | 1.3 | 3.9 | 56 | 88 | 4 | 1 and 2 |
| 700-230 | 230 | 700 | 0.8 | 5.6 | 50 | 1.3 | 4.0 | 68 | 88 | 4 | 1 and 2 |
| GLI 900, U_{NDC} = 900 V_{DC} | | | | | | | | | | | |
| 900-25 | 25 | 900 | 0.4 | 6.5 | 80 | 0.8 | 2.4 | 38 | 88 | 4 | 1 and 2 |
| 900-100 | 100 | 900 | 0.7 | 6.1 | 55 | 1.0 | 3.0 | 56 | 88 | 4 | 1 and 2 |
| 900-150 | 150 | 900 | 0.6 | 5.7 | 50 | 1.1 | 3.3 | 68 | 88 | 4 | 1 and 2 |
| GLI 1100, U_{NDC} = 1100 V_{DC} | | | | | | | | | | | |
| 1100-15 | 15 | 1100 | 0.5 | 6.7 | 60 | 0.6 | 1.9 | 38 | 88 | 4 | 1 and 2 |
| 1100-75 | 75 | 1100 | 0.8 | 6.2 | 55 | 0.9 | 2.7 | 56 | 88 | 4 | 1 and 2 |
| 1100-100 | 100 | 1100 | 1.0 | 5.8 | 50 | 0.9 | 2.6 | 68 | 88 | 4 | 1 and 2 |
| GLI 1250, U_{NDC} = 1250 V_{DC} | | | | | | | | | | | |
| 1250-50 | 50 | 1250 | 1.0 | 6.3 | 50 | 0.7 | 2.1 | 56 | 88 | 4 | 1 and 2 |
| 1250-75 | 75 | 1250 | 1.2 | 5.9 | 47 | 0.8 | 2.3 | 68 | 88 | 4 | 1 and 2 |
| GLI 1450, U_{NDC} = 1450 V_{DC} | | | | | | | | | | | |
| 1450-40 | 40 | 1450 | 1.0 | 6.4 | 48 | 0.6 | 1.9 | 56 | 88 | 4 | 1 and 2 |
| 1450-60 | 60 | 1450 | 1.2 | 5.9 | 45 | 0.7 | 2.1 | 68 | 88 | 4 | 1 and 2 |
| GLI 1800, U_{NDC} = 1800 V_{DC} | | | | | | | | | | | |
| 1800-25 | 25 | 1800 | 1.2 | 6.5 | 43 | 0.5 | 1.5 | 56 | 88 | 4 | 1 and 2 |
| 1800-35 | 35 | 1800 | 1.6 | 6.1 | 38 | 0.5 | 1.5 | 68 | 88 | 4 | 1 and 2 |
| GLI 2150, U_{NDC} = 2150 V_{DC} | | | | | | | | | | | |
| 2150-18 | 18 | 2150 | 1.4 | 6.6 | 40 | 0.4 | 1.3 | 56 | 88 | 4 | 1 and 2 |
| 2150-25 | 25 | 2150 | 1.8 | 6.1 | 35 | 0.4 | 1.3 | 68 | 88 | 4 | 1 and 2 |

DIMENSIONS in millimeters

 Drawing 1
GLI...-...B

 Drawing 2
GLI...-...I

Contact Us

Other voltage, current, and capacitance values are available on request without additional cost and lead time for the individual design.



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