



# FILM POWER CAPACITOR

GLI Axial



## Metallized Film Power Capacitor, Very Low Inductance Axial Design (A)

### KEY BENEFITS

- Very Low Stray Inductance:  $< 10 \text{ nH}$
- Extremely Low Losses at High Frequencies:  $< 4 \times 10^{-4}$  at 2 kHz
- Low ESR:  $< 4 \text{ m}\Omega$
- Highest RMS Current Rating: up to 100 A

### APPLICATIONS

- Voltage Converters
- UPS
- Frequency Converters
- RFI Filters
- Traction Drives
- Industrial Drives

Datasheet is available on our web site at [www.vishay.com](http://www.vishay.com)  
for GLI Axial - <http://www.vishay.com/doc?13048>

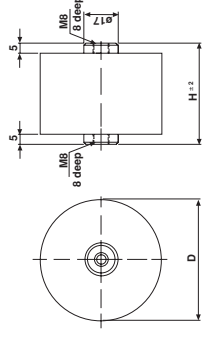
# Metalized Film Power Capacitor

## FEATURES

- Lowest stray inductance
- Extremely low losses also at high frequencies
- Low ESR: < 4mΩ
- Highest RMS current rating: up to 100A
- High impulse discharge current capability
- Heavy duty shock and vibration
- High reliability and life expectancy
- Easy mounting



## DIMENSIONS



## TYPE DESCRIPTION

TYPE	RATED VOLTAGE DC (V)	RATED VOLTAGE AC (V)	CAPACITANCE (μF)	CURRENT* MAX. (A)	di/dt MAX. (V/μs)	D (mm)	H (mm)
GLI							
700-35 A	700	200	35	80	450	87	44
700-160 A	700	200	160	100	150	87	62
700-230 A	700	200	230	100	100	87	74
900-25 A	900	250	25	60	500	87	44
900-100 A	900	250	100	80	150	87	62
900-150 A	900	250	150	90	125	87	74
1100-15 A	1100	300	15	50	750	87	44
1100-75 A	1100	300	75	80	200	87	62
1100-100 A	1100	300	100	80	150	87	74
1250-50 A	1250	350	50	70	250	87	62
1250-75 A	1250	350	75	70	150	87	74
1450-40 A	1450	400	40	70	250	87	62
1450-60 A	1450	400	60	70	200	87	74
1800-25 A	1800	450	25	50	300	87	62
1800-35 A	1800	450	35	50	250	87	74
2150-18 A	2150	500	18	40	400	87	62
2150-25 A	2150	500	25	40	300	87	74

Note: Other voltage and capacitance values are available upon request.  
\*Design current for short term operation at 50°C

## GENERAL SPECIFICATIONS

Dielectric	Polypropylene
Temperature coefficient (TCC)	- 2.3% from -20°C to +70°C
Dissipation factor (DF)	< 4 x 10 <sup>-4</sup> /2kHz
Capacitance tolerance	± 5%
Operating temperature	- 40°C to +70°C at U <sub>R</sub> - 40°C to +100°C at 0.5 U <sub>R</sub>
Inductance	< 10nH
Lifetime expectancy	100,000 hours at U <sub>R</sub> and 60°C
Reliability	300FT
Test voltage	Terminal/Terminal = 1.5U <sub>R</sub> , DC, 10s Terminal/Earth = 6000VAC, 60s
Casing material	Polypropylene
Filling	Resin Polyurethane, UL 94, V-0
Standards	IEC 61071-1, EN 61071 and IEC 61881

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