



VISHAY ESTA POWER CAPACITORS

GLI



Capacitors for Power Electronics



KEY BENEFITS

- Very low stray inductance
- Extremely low losses at high frequencies
- Low ESR
- Highest RMS current rating
- High impulse discharge current capability
- Resistance to heavy-duty shock and vibration
- High reliability and life expectancy
- Integrated flanges enable easy mounting
- Casing material: UL 94 V-0

APPLICATIONS

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

RESOURCES

- Datasheet: GLI - <http://www.vishay.com/doc?13021>
- For technical questions contact esta@vishay.com

Capacitors - Metallized Film Power, Low ESR

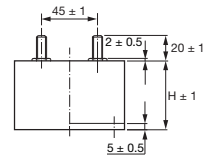
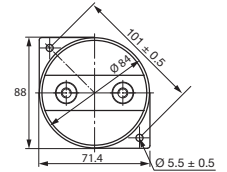
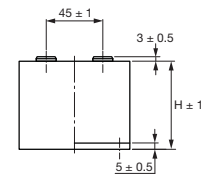
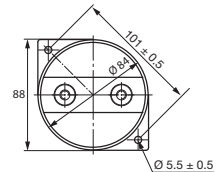
One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components



Capacitors for Power Electronics

QUICK REFERENCE DATA	
DESCRIPTION	VALUE
Rated DC voltage min.	700 V
Rated DC voltage max.	2150 V
Capacitance min.	15 μ F
Capacitance max.	230 μ F
Technology	Metalized polypropylene
Dissipation factor ($\tan \delta_0$)	$< 2 \times 10^{-4}/2$ kHz
Capacitance tolerance	$\pm 5 \%$
Operating temperature (hotspot)	$\theta_{\min.} - 40$ °C $\theta_{\max.} - 80$ °C
Inductance	< 30 nH
Lifetime expectancy	100 000 h at U_{NDC} and < 60 °C hotspot
Reliability	300 FIT
Test voltage	Terminal/terminal = $1.5 \times U_{NDC}$, 10 s; Terminal/case = $2 \times U_{NDC} + 1000 V_{AC}$, 60 s
Casing material	Polyester, UL 94 V-0
Filling	Resin polyurethane, UL 94 V-0
Standards	IEC 61071-1, IEC 61881, and EN 61071-1

DIMENSIONS in millimeters


 Drawing 1
GLI...-...B

 Drawing 2
GLI...-...I

TYPE DESCRIPTION												
TYPE GLI...-... B/I	C_N [μ F]	VOLTAGE V_{DC}	R_S [m Ω]	R_{TH} [K/W]	$I_{MAX.}$ [A]	I_P [kA]	\hat{i} [kA]	HEIGHT [mm]	D [mm]	WEIGHT [kg]	PACKAGING UNIT	DRAWING NO.
GLI 700, $U_{NDC} = 700$ V, $U_N = 495$ V												
700-35	35	700	0.4	6.4	80.0	0.98	2.94	38	84	0.2	4	1 and 2
700-160	160	700	0.6	6.0	60.0	1.28	3.84	56	84	0.3	4	1 and 2
700-230	230	700	0.8	5.6	50.0	1.33	4.01	68	84	0.4	4	1 and 2
GLI 900, $U_{NDC} = 900$ V, $U_N = 635$ V												
900-25	25	900	0.4	6.5	80.0	0.82	2.46	38	84	0.2	4	1 and 2
900-100	100	900	0.7	6.1	55.0	1.00	3.00	56	84	0.3	4	1 and 2
900-150	150	900	0.9	5.7	50.0	1.09	3.27	68	84	0.4	4	1 and 2
GLI 1100, $U_{NDC} = 1100$ V, $U_N = 775$ V												
1100-15	15	1100	0.5	6.7	60.0	0.63	1.89	38	84	0.2	4	1 and 2
1100-75	75	1100	0.8	6.2	55.0	0.90	2.70	56	84	0.3	4	1 and 2
1100-100	100	1100	1.0	5.8	50.0	0.87	2.61	68	84	0.6	4	1 and 2
GLI 1250, $U_{NDC} = 1250$ V, $U_N = 1250$ V												
1250-50	50	1250	1.0	6.3	50.0	0.70	2.10	56	84	0.3	4	1 and 2
1250-75	75	1250	1.2	5.9	47.0	0.76	2.28	68	84	0.4	4	1 and 2
GLI 1450, $U_{NDC} = 1450$ V, $U_N = 1025$ V												
1450-40	40	1450	1.0	6.4	48.0	0.64	1.92	56	84	0.3	4	1 and 2
1450-60	60	1450	1.2	5.9	45.0	0.70	2.10	68	84	0.4	4	1 and 2
GLI 1800, $U_{NDC} = 1800$ V, $U_N = 1270$ V												
1800-25	25	1800	1.2	6.5	43.0	0.50	1.50	56	84	0.3	4	1 and 2
1800-35	35	1800	1.6	6.1	38.0	0.50	1.52	68	84	0.4	4	1 and 2
GLI 2150, $U_{NDC} = 2150$ V, $U_N = 1520$ V												
2150-18	18	2150	1.4	6.6	40.0	0.43	1.29	56	84	0.3	4	1 and 2
2150-25	25	2150	1.8	6.1	35.0	0.43	1.30	68	84	0.4	4	1 and 2

Note

- Other voltage, current and capacitance values are available on request

Revision 15-Feb-11

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