Screw Terminal Type

Discontinued

Series:GUE

■ Features

Endurance : +85°C 2000 h
Miniaturized size and high-ripple-current product

Japan
U.S.A



■ Recommended Applications

For general-purpose inverter, power supply for backup system, motor-control inverter

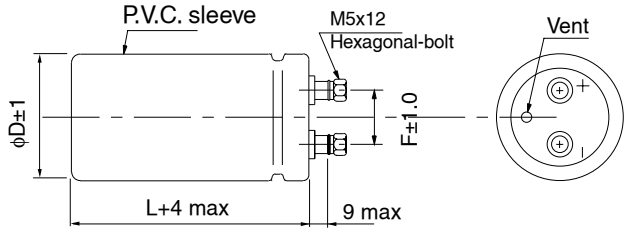
■ Specifications

Category temp. range	-25 to + 85°C
Rated W.V. Range	350 to 450 V .DC
Nominal Cap. Range	820 to 10000 µ F
Capacitance Tolerance	±20% (120Hz/+20°C)
DC Leakage Current	$3\sqrt{CV}$ (µA) or 5 (mA) whichever, smaller, after 5 minutes application of ratedd working voltage at +20°C C:Capacitance(µF) V: W.V. (V.DC)
Dissipation Factor	Please see the attached standard products list
Endurance	After 2000 hours application of DC voltage with specified ripple current (≦ rated DC working voltage) at +85°C, the capacitor shall meet the following limits.
	Capacitance change: ±20% of initial measured value
	D.F.: ≦ 175 % of initial specified value
	DC leakage current: ≦ initial specified value
Shelf Life	After storage for 1000hours at +85±2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in ìEnduranceî.(With voltage treatment)

■ Frequency Correction Factor for Ripple Current

W.V.(V) / φD(mm) \ Freq.(Hz)		50	60	120	300	360	1k	10k to
350	36	0.71	0.79	1.00	1.09	1.10	1.15	1.21
	51, 64	0.83	0.88	1.00	1.07	1.08	1.13	1.20
	77, 90	0.85	0.90	1.00	1.05	1.06	1.08	1.20
400, 450	36	0.65	0.74	1.00	1.09	1.10	1.16	1.22
	51, 64	0.81	0.87	1.00	1.07	1.08	1.13	1.21
	77, 90	0.85	0.90	1.00	1.05	1.06	1.11	1.20

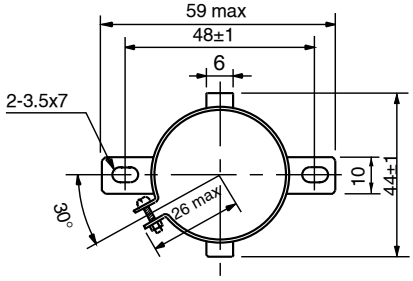
■ Dimensions in mm(not to scale)



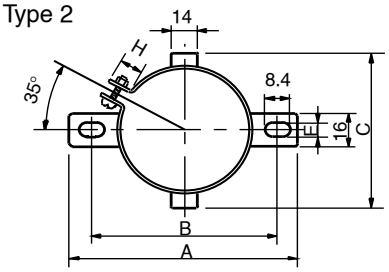
φD	F
36	13.0
51	22.0
64	28.6
77	31.8
90	31.8

■ Mounting clamp

Type 1; φ36



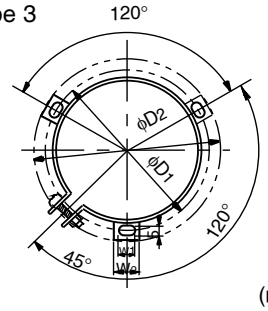
Type 2



(mm)

φD	A	B	C	E	H max
51	80.0	68.0	57.5	4.4	13
64	93.0	81.0	70.0	5.0	13
77	104.5	93.5	90.0	5.0	13

Type 3



(mm)

φD	φD1	φD2	W1	W2
51	65.0	74.0	9.0	14.0
64	76.0	86.0	8.0	13.0
77	89.0	100.0	8.0	14.0
90	101.6	113.0	8.0	14.0

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Mar. 2005

■ Standard Products

W.V. (V)	Cap. (±20%) (μF)	Case size Dia. (mm)	Case size Length (mm)	Specification Ripple current (120Hz) (+85°C) (A)	Specification D.F. (120Hz) (+20°C)	Terminal Pitch (mm)	Part No.	( ):Mounting Clamp No	( ):Mounting Clamp 2point clamp	( ):Mounting Clamp 3point clamp
350	1000	36	125	3.36	0.25	13.0	ECOG2VU102M( )	N	F	
		51	65	3.36	0.25	22.0	ECOG2VU102R( )	N	C	F
	1200	51	75	3.69	0.25	22.0	ECOG2VU122L( )	Y	D	P
	1500	51	96	4.53	0.25	22.0	ECOG2VU152K( )	Y	D	P
	1800	51	96	4.98	0.25	22.0	ECOG2VU182K( )	Y	D	P
	2200	51	103	5.91	0.25	22.0	ECOG2VU222K( )	N	C	F
	2700	51	125	6.90	0.25	22.0	ECOG2VU272J( )	N	C	F
	3300	64	103	7.95	0.25	28.6	ECOG2VU332G( )	N	C	F
	3900	64	125	9.09	0.25	28.6	ECOG2VU392F( )	N	C	F
	4700	64	145	9.55	0.25	28.6	ECOG2VU472E( )	N	C	F
		77	96	9.55	0.25	31.8	ECOG2VU472T( )	Y	D	P
	5600	77	125	11.49	0.25	31.8	ECOG2VU562D( )	N	C	F
	6800	77	145	13.56	0.25	31.8	ECOG2VU682C( )	N	C	F
	8200	77	145	14.91	0.25	31.8	ECOG2VU822C( )	N	C	F
	10000	90	150	16.83	0.25	31.8	ECOG2VU103A( )	N		F
400	1000	51	75	3.36	0.25	22.0	ECOG2GU102L( )	Y	D	P
	1200	51	96	4.05	0.25	22.0	ECOG2GU122K( )	Y	D	P
	1500	51	96	4.53	0.25	22.0	ECOG2GU152K( )	Y	D	P
	1800	51	103	5.34	0.25	22.0	ECOG2GU182K( )	N	C	F
	2200	51	125	6.21	0.25	22.0	ECOG2GU222J( )	N	C	F
	2700	64	103	7.20	0.25	28.6	ECOG2GU272G( )	N	C	F
	3300	64	125	8.37	0.25	28.6	ECOG2GU332F( )	N	C	F
	3900	64	145	8.74	0.25	28.6	ECOG2GU392E( )	N	C	F
		77	96	8.74	0.25	31.8	ECOG2GU392T( )	Y	D	P
	4700	77	125	10.53	0.25	31.8	ECOG2GU472D( )	N	C	F
	5600	77	145	12.30	0.25	31.8	ECOG2GU562C( )	N	C	F
	6800	77	145	13.56	0.25	31.8	ECOG2GU682C( )	N	C	F
	8200	90	150	15.90	0.25	31.8	ECOG2GU822A( )	N		F
450	820	51	75	3.06	0.25	22.0	ECOG2WU821L( )	Y	D	P
	1000	51	96	3.72	0.25	22.0	ECOG2WU102K( )	Y	D	P
	1200	51	96	4.05	0.25	22.0	ECOG2WU122K( )	Y	D	P
	1500	51	125	5.13	0.25	22.0	ECOG2WU152J( )	N	C	F
	1800	64	96	5.75	0.25	28.6	ECOG2WU182G( )	Y	D	P
	2200	64	103	6.60	0.25	28.6	ECOG2WU222G( )	N	C	F
	2700	64	125	7.56	0.25	28.6	ECOG2WU272F( )	N	C	F
	3300	64	145	8.40	0.25	28.6	ECOG2WU332E( )	N	C	F
		77	103	8.40	0.25	31.8	ECOG2WU332T( )	N	C	F
	3900	77	125	9.57	0.25	31.8	ECOG2WU392D( )	N	C	F
	4700	77	145	11.28	0.25	31.8	ECOG2WU472C( )	N	C	F
	5600	90	150	13.41	0.25	31.8	ECOG2WU562A( )	N		F
	6800	90	150	14.46	0.25	31.8	ECOG2WU682A( )	N		F

Endurance : 85°C 2000h

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