

NEW

Screw Terminal Type

Series:GXB

■ Features

High ripple current handling capability (50% higher than series G-UP)
 Newly improved long life and safety design(Endurance : 105°C 5000 h)

Japan



■ Recommended Application

Suitable for the Hi-ripple circuit of electric vehicle, electric train, general-purpose inverter.

■ Specifications

Category temp. range	-25 to +105°C							
Rated W.V. Range	350 to 450 V .DC							
Nominal Cap. Range	2200 to 15000 μ F							
Capacitance Tolerance	±20% (120Hz/+20°C)							
DC Leakage Current	3√CV (μA) or 5(mA) whichever, smaller, after 5 minutes application of rated working voltage at +20°C C:Capacitance(μF) V: W.V. (V.DC)							
Frequency correction factor for ripple current	Frequency (Hz)	60	120	300	360	1k	3k	10k to
	Correction factor	0.80	1.00	1.15	1.18	1.30	1.40	1.48
Dissipation Factor	Please see the attached standard products list							
Endurance	After 5000 hours application of DC voltage with specified ripple current (≤ rated DC working voltage) at +105°C, the capacitor shall meet the following limits.							
	Capacitance change	±20 % of initial measured value						
	D.F.	≤ 200 % of initial specified value						
	DC leakage current	≤ initial specified value						
Shelf Life	After storage for 1000 hours at +105±2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in "Endurance".(With voltage treatment)							
Withstand Voltage	Application of 2000 V.A.C between V-block and terminals for 1 minute, there shall be no abnormalities like destruction of insulator.							

■ Dimensions in mm (not to scale)

(mm)	
φD	F
64	28.6
77	31.8
90	31.8

■ Mounting clamp

(mm)				
φD	φD1	φD2	W1	W2
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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■ Standard Products

W.V. (V)	Cap. (±20%) (μF)	Case size		Specification		Terminal Pitch (mm)	Part No.	():Mounting Clamp	
		Dia. (mm)	Length (mm)	Ripple current (120Hz) (+105°C) (A)	D.F. (120Hz) (+20°C)			No	Yes
350	2200	64	77	10.7	0.2	28.6	EEGXB2V222G()	N	F
		64	90	12.7	0.2	28.6	EEGXB2V272G()	N	F
	2700	77	72	12.8	0.2	31.8	EEGXB2V272H()	N	F
		64	97	15.0	0.2	28.6	EEGXB2V332G()	N	F
	3300	77	77	15.0	0.2	31.8	EEGXB2V332H()	N	F
		3900	64	110	17.2	0.2	28.6	EEGXB2V392G()	N
	77		90	17.1	0.2	31.8	EEGXB2V392H()	N	F
	90		72	16.9	0.2	31.8	EEGXB2V392J()	N	F
	4700	64	125	20.0	0.2	28.6	EEGXB2V472G()	N	F
		77	97	19.8	0.2	31.8	EEGXB2V472H()	N	F
		90	77	19.4	0.2	31.8	EEGXB2V472J()	N	F
	5600	64	145	23.1	0.2	28.6	EEGXB2V562G()	N	F
		77	110	22.6	0.2	31.8	EEGXB2V562H()	N	F
		90	90	22.0	0.2	31.8	EEGXB2V562J()	N	F
	6800	64	168	27.1	0.2	28.6	EEGXB2V682G()	N	F
		77	125	26.3	0.2	31.8	EEGXB2V682H()	N	F
		90	97	25.4	0.2	31.8	EEGXB2V682J()	N	F
	8200	77	145	30.5	0.2	31.8	EEGXB2V822H()	N	F
90		125	29.2	0.2	31.8	EEGXB2V822J()	N	F	
10000	77	170	35.6	0.2	31.8	EEGXB2V103H()	N	F	
	90	145	33.8	0.2	31.8	EEGXB2V103J()	N	F	
12000	90	170	38.7	0.2	31.8	EEGXB2V123J()	N	F	
15000	90	192	45.7	0.2	31.8	EEGXB2V153J()	N	F	
400	2200	64	90	11.6	0.2	28.6	EEGXB2G222G()	N	F
		77	72	11.7	0.2	31.8	EEGXB2G222H()	N	F
	2700	64	110	13.7	0.2	28.6	EEGXB2G272G()	N	F
		77	77	13.8	0.2	31.8	EEGXB2G272H()	N	F
	3300	64	125	16.1	0.2	28.6	EEGXB2G332G()	N	F
		77	90	16.1	0.2	31.8	EEGXB2G332H()	N	F
		90	72	15.9	0.2	31.8	EEGXB2G332J()	N	F
	3900	64	148	18.5	0.2	28.6	EEGXB2G392G()	N	F
		77	110	18.3	0.2	31.8	EEGXB2G392H()	N	F
		90	77	17.9	0.2	31.8	EEGXB2G392J()	N	F
	4700	64	168	21.5	0.2	28.6	EEGXB2G472G()	N	F
		77	125	21.2	0.2	31.8	EEGXB2G472H()	N	F
		90	90	20.6	0.2	31.8	EEGXB2G472J()	N	F
	5600	64	192	24.9	0.2	28.6	EEGXB2G562G()	N	F
		77	148	24.3	0.2	31.8	EEGXB2G562H()	N	F
		90	97	23.5	0.2	31.8	EEGXB2G562J()	N	F
	6800	77	170	28.3	0.2	31.8	EEGXB2G682H()	N	F
		90	125	27.1	0.2	31.8	EEGXB2G682J()	N	F
8200	77	192	32.7	0.2	31.8	EEGXB2G822H()	N	F	

Endurance:105°C 5000 h

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■ Standard Products

W.V. (V)	Cap. (±20%) (μF)	Case size		Specification		Terminal Pitch (mm)	Part No.	():Mounting Clamp	
		Dia.	Length	Ripple current (120Hz) (+105°C) (A)	D.F. (120Hz) (+20°C)			No	Yes
		(mm)	(mm)						
400	8200	90	145	31.1	0.2	31.8	EEGXB2G822J()	N	F
	10000	90	170	36.0	0.2	31.8	EEGXB2G103J()	N	F
	12000	90	192	41.2	0.2	31.8	EEGXB2G123J()	N	F
450	2200	64	110	12.1	0.2	28.6	EEGXB2W222G()	N	F
		77	97	12.6	0.2	31.8	EEGXB2W222H()	N	F
	2700	64	125	14.3	0.2	28.6	EEGXB2W272G()	N	F
		77	110	14.8	0.2	31.8	EEGXB2W272H()	N	F
		90	72	14.1	0.2	31.8	EEGXB2W272J()	N	F
	3300	64	148	16.9	0.2	28.6	EEGXB2W332G()	N	F
		77	125	17.3	0.2	31.8	EEGXB2W332H()	N	F
		90	97	16.4	0.2	31.8	EEGXB2W332J()	N	F
	3900	64	168	19.4	0.2	28.6	EEGXB2W392G()	N	F
		90	110	18.5	0.2	31.8	EEGXB2W392J()	N	F
	4700	64	192	22.6	0.2	28.6	EEGXB2W472G()	N	F
		77	150	22.8	0.2	31.8	EEGXB2W472H()	N	F
		90	125	21.3	0.2	31.8	EEGXB2W472J()	N	F
	5600	77	192	26.2	0.2	31.8	EEGXB2W562H()	N	F
		90	150	24.2	0.2	31.8	EEGXB2W562J()	N	F
6800	90	170	28.0	0.2	31.8	EEGXB2W682J()	N	F	
8200	90	192	32.1	0.2	31.8	EEGXB2W822J()	N	F	
10000	90	224	37.2	0.2	31.8	EEGXB2W103J()	N	F	

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