GXA Series



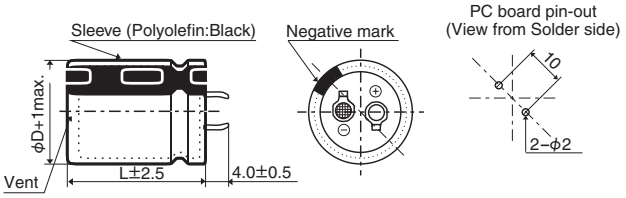
- Endurance with ripple current : 3,000 hours at 125℃
- Rated voltage range : 400 & 450Vdc, Capacitance range : 220 to 820μF
- Suitable for the communication infrastructure power supply and other high temperature applications.
- Non solvent resistant type
- RoHS2 Compliant

◆SPECIFICATIONS

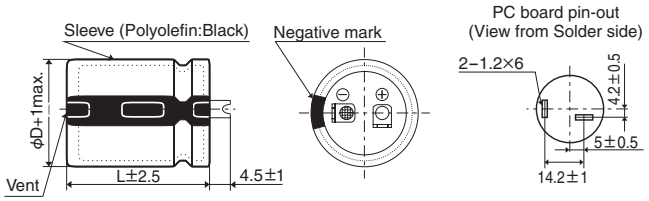
Items	Characteristics		
Category Temperature Range	-40 to +125℃		
Rated Voltage Range	400 & 450Vdc		
Capacitance Tolerance	±20% (M)		(at 20℃, 120Hz)
Leakage Current	I≦3√CV Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)		(at 20℃ after 5 minutes)
Dissipation Factor (tan δ)	Rated voltage (Vdc)	400 & 450V	
	tan δ (Max.)	0.20	(at 20℃, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (Vdc)	400 & 450V	
	Z(-25℃)/Z(+20℃)	8	(at 120Hz)
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 3,000 hours at 125℃.		
	Capacitance change	≦±20% of the initial value	
	D.F. (tan δ)	≦200% of the initial specified value	
	Leakage current	≦The initial specified value	
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 125℃ without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.		
	Capacitance change	≦±15% of the initial value	
	D.F. (tan δ)	≦150% of the initial specified value	
	Leakage current	≦The initial specified value	

◆DIMENSIONS [mm]

●Terminal Code : VS (ϕ30, ϕ35) : Standard

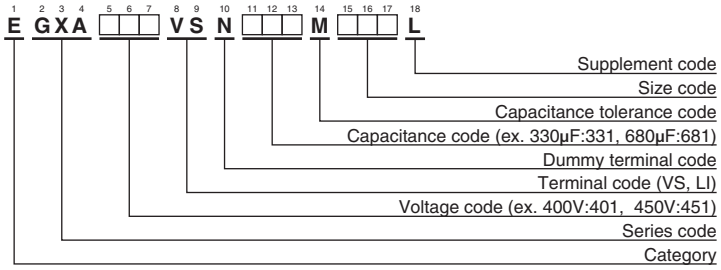


●Terminal Code : LI (ϕ35)



The standard design has no plastic disc.

◆PART NUMBERING SYSTEM



Please refer to "Product code guide (snap-in type)"

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GXA Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 125℃, 120Hz)	Part No.
400	270	30×30	0.20	1.24	EGXA401VSN271MR30L
	330	30×35	0.20	1.41	EGXA401VSN331MR35L
	330	35×30	0.20	1.48	EGXA401VSN331MA30L
	390	30×40	0.20	1.57	EGXA401VSN391MR40L
	390	30×45	0.20	1.61	EGXA401VSN391MR45L
	390	35×35	0.20	1.64	EGXA401VSN391MA35L
	470	30×50	0.20	1.80	EGXA401VSN471MR50L
	470	35×40	0.20	1.86	EGXA401VSN471MA40L
	560	30×55	0.20	2.01	EGXA401VSN561MR55L
	560	30×60	0.20	2.04	EGXA401VSN561MR60L
	560	35×45	0.20	2.08	EGXA401VSN561MA45L
	680	35×50	0.20	2.34	EGXA401VSN681MA50L
	680	35×55	0.20	2.39	EGXA401VSN681MA55L
	820	35×60	0.20	2.67	EGXA401VSN821MA60L

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (Arms/ 125℃, 120Hz)	Part No.
450	220	30×30	0.20	1.12	EGXA451VSN221MR30L
	270	30×35	0.20	1.27	EGXA451VSN271MR35L
	270	30×40	0.20	1.31	EGXA451VSN271MR40L
	270	35×30	0.20	1.34	EGXA451VSN271MA30L
	330	30×45	0.20	1.48	EGXA451VSN331MR45L
	330	35×35	0.20	1.51	EGXA451VSN331MA35L
	390	30×50	0.20	1.64	EGXA451VSN391MR50L
	390	35×40	0.20	1.70	EGXA451VSN391MA40L
	470	30×55	0.20	1.84	EGXA451VSN471MR55L
	470	30×60	0.20	1.87	EGXA451VSN471MR60L
	470	35×45	0.20	1.91	EGXA451VSN471MA45L
	560	35×50	0.20	2.13	EGXA451VSN561MA50L
	560	35×55	0.20	2.17	EGXA451VSN561MA55L
	680	35×60	0.20	2.43	EGXA451VSN681MA60L

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

Frequency(Hz)	50	120	300	1k	10k	50k
400 & 450V_{dc}	0.77	1.00	1.16	1.30	1.41	1.43

The deterioration of aluminum electrolytic capacitors accelerates their life due to the internal heating produced by ripple current. For details, refer to Section "5-3 Ripple Current Effect on Lifetime" in the catalog, Technical Note.

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■ Always read "Notes on Use" before using the product in order to enable you to use the product correctly and prevent any faults and accidents from occurring.

■ Request the Product Specification on the product of NIPPON CHEMI-CON CORPORATION to refer to it as well as this brochure prior to the order of the products. Some specific notes on use of the ordered product may be described in the specifications.

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Part Numbering System
Part Numbering System (Appendix)
Standardization
Available Items by Manufacturing Locations
Environmental Measures
Technical Note
Precautions and Guidelines
Recommended Soldering Conditions
Taping, Lead-preforming and Packaging
Available Terminals for Snap-in and Screw Mount Type

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