		DATE : Sep	12, 2016
IK		TK NO.: H-L	G-C008A
S	PECIFICA	ΤΙΟΝ	
Customer:			
Name of product:	LG series Aluminum	Electrolytic Capaci	tors
Symbol:	2GLG102M8R55		
Approved by	Title	Signature	Date
Description:			
ase return a sheet of ical department our Maruko Office , if y	this specification af ou have any technical	ter your approval. question.	Please connect
ase return a sheet of ical department our Maruko Office, if y	this specification af ou have any technical	ter your approval. question.	Please connect

1. Application

This specification is applicable to the performance of aluminum electrolyte capacitors of type-LG [RoHS corresponding].

- 2. Operating Temperature Range $-25^{\circ}C \sim +85^{\circ}C$
- 3. Capacitance Tolerance $\pm 20\%$ (M) (25°C, 120Hz)



ΦD (mm)	35
L (mm)	55

4. PERFORMANCE

Rated Ripple Current (120Hz, 85°C)

					•		(,,,
TK Part Nu	ımber	Rated Voltage [V DC]	Nominal Capacitance [μF]	tan ∂ (120Hz) (25°C)	Leakage Current [μA]	Ripple Current [mA]	Case size D × L (mm)
				max	max	max	{
2GLG102M	8R55	400	1000	0.15	3000	4100	35x55
			1		1		
*Part Nur	mber Sys	tem					
Rate	d Voltage	Series	Nominal Capa	citance Tole	rance Tern	ninal Length	Size
	2G	LG	102	Μ	l	8	R55
2	G: 400V		102:1000u	F M	. ±20%		R55:35x55
6. Leakage C Less tha Not	Current an 0.02C\ e : C: Non	/ or 3000uA v ninal Capacita	WV (\ tan whichever is sm ance(µ F) , V: R	V DC) 40 δ 0.1 aller after 5 mi Rated Voltage(\	(120Hz/ +20)0 15 inutes at 25°C. / D.C.)		
Issue : Sep 12,	2016						
Prepared	Appro	oved	тосы			Dra	w No.
Gran Dejen	K. Qo	yama	10311		JU., LID.		H-LG-C008A

7. Multiplier for Ripple Current

When the ripple frequency differs from the specification shown the list of standard products, multiply the value with the coefficient shown below, and use the products under the obtained value.

<	Frequency	coefficient	>
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Frequency (Hz)	50	120	1K	10K	50K
160~250	0.81	1.00	1.32	1.45	1.50
350~450	0.77	1.00	1.30	1.41	1.43

8. Load Life Test

Capacitors shall be applied the rated voltage overlapped by an allowable ripple current at $85\pm2^{\circ}C$ for 2000hours.

Capacitance Change	Within $\pm 20\%$ of the initial value.
Dissipation Factor	Less than the 200% of the specified value.
Leakage Current	Less than the specified value.

9. Shelf Life Test

Capacitors shall be stored at $85\pm2^{\circ}C$ with no voltage applied for 1000 hours.

Capacitance Change	Within $\pm 20\%$ of the initial value.
Dissipation Factor	Less than the 150% of the specified value.
Leakage Current	Less than the specified value.

10. Surge Voltage Test

Capacitors shall be applied the surge voltage through a (100±50)/CR ($k~\Omega$) resistor in series for 30±5 seconds in every 6±0.5 minutes at 15 \sim 35°C procedure shall be rated 1000 times. Then the capacitors shall be left under normal humidity for 1 \sim 2hours before measurement.

(CR: Nominal Capacitance (uF))

WV (V D.C.)	400
Surge voltage	450

Note: This test simulates over voltage at abnormal situations and not be hypothesizing that over voltage is always applied.

Capacitance Change	Within \pm 20% of the initial value.
Dissipation Factor	Less than the 200% of the specified value.
Leakage Current	Less than the specified value.

11. Low Temperature Characteristics (Impedance ratio at 120Hz)

	Rated Voltage (V D.C.)	400		
	Z(−25°C)∕Z(+20°C)	4		
			Draw No.	
LG series			H-LG-C008A	

12. Resistance to Solder Heat

Terminals of the capacitor shall be immersed into solder bath at $245\pm5^{\circ}$ C for 2 ± 0.5 seconds to $1.5\sim2.0$ mm from the body of capacitor covered with a thermal screen.

Appearance	Notable changes shall not be found.	
Leakage Current	Not more than the specified value.	
Capacitance Change	Within $\pm 10\%$ of the initial value.	
Dissipation Factor	Not more than the specified value.	

13. Operation of Pressure Relief Vent

When the capacitor shall be connected in inverse polarity, and applied DC current at 1A constant, the pressure relief device shall open in such a way as to avoid any danger of fire or explosion of capacitor elements or cover.

14 Marking

The following items shall be marked on each capacitor. (White marking on black sleeve)



(Example)

15. Others

Other characteristics are based on JIS C 5101-4.

16. Guide to application

Please refer to technical report EIAJ RCR-2367B "Guideline of notabilia for fixed aluminum electrolytic capacitors for use in electrolytic equipment".

(Technical Report of Electronic industries Association of Japan in march 1995, revised edition in march 2002.)

LG series	TOSHIN KOGYO CO., LTD	Draw No.
		H-LG-C008A