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Process Change Notice for Capacitor Sleeve Color (PCN)

Manufacturer: Surge Components, Inc./Lelon Electronics Corp

Operating Items: Aluminum Electrolytic capacitors

Catalog:

Remarks	Approver	Checker	Maker
	Jack Huang	H.Y Huang	J Tan

Process Change Application

Manufacturer:	Surge Components, Inc.	
Surge/Lelon contact	Eric Achille	Title: Engineering Manager
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Process change notice date	November 1, 2019	
Process change effect date	January 1, 2020	

Change content	Radial type aluminum electrolytic capacitor series sleeve color changes
Change reason	1. In order to simplify the variety of sleeves we use in our products, we are changing some series sleeve colors to be more uniform with one another. 2. To help highlight this change, we will add a “D” or “G” within the suffix of the Part Number. 3. The meaning for the “D” or “G” as below: D= Pb-free wire + Brown PET sleeve; G= Pb-free wire + Black PET sleeve
Influence on products	All products being produced before this change will remain unchanged and part numbers will remain the same. For all new designs, products will be supplied using the new part numbers, and the sleeve color of radial type capacitors will be changed on 01/01/2020. All sleeve use the same raw material. The process control is also exactly the same. It will not affect the product electrical characteristics.

Description of Capacitor Sleeve Color Process Change

1. Series details:

Series	Before modification				After modification			
	Description/Drawing		code	Marking color	Description/Drawing		code	Marking color
REA/SEA	Blue		299U	Black	Brown		4975U	White
RLA/SLA/SSL	Orang		1585U	Black				
SSG	Dark Green		3298U	White	Black		Black C	White
RJA	Dark Purple		2757U	White				
RGA/SG-	Green		353U	Black				
RA-/SA-	Purple		2655U	Black				
RN-/RNG/SN-/ SNG/SSN	Yellow		115U	Black				

2.Change content:

The colors of our radial series will be simplified to just two colors, Brown and Black.

3. Before and after the change：

3.1 Pictures showing before and after the color change of the sleeve：

Series	Before	After
REA/SEA		
RLA/SLA/SSL		
SSG		
RJA		
RGA/RG-		
RA-/SA-		
RN-/RNG/SN-/SNG/SSN		

Note: Only the color of the above sleeve is changed. The material remains the same

3.2 Corresponding part numbers before and after the change of sleeve color：

No.	Series	Before	After
1	SEA	SEA100M1HBK-0607S	SEA100M1HBK-0607**D**S
2	REA	REA100M1HBK-0511S	REA100M1HBK-0511**D**S
3	RLA	RLA100M1HBK-0511S	RLA100M1HBK-0511**D**S
4	SLA	SLA4R7M1HBK-0607S	SLA4R7M1HBK-0607**D**S
5	SSL	SSL100M1HBK-0605S	SSL100M1HBK-0605**D**S
6	SSG	SSG100M1HBK-0605S	SSG100M1HBK-0605**G**S
7	RJA	RJA100M1HBK-0511S	RJA100M1HBK-0511**G**S
8	RGA	RGA100M1HBK-0511S	RGA100M1HBK-0511**G**S
9	SG-	SG-100M1HBK-0607S	SG-100M1HBK-0607**G**S
10	RA-	RA-100M1HBK-0511S	RA-100M1HBK-0511**G**S
11	SA-	SA-100M1HBK-0807S	SA-100M1HBK-0807**G**S
12	RN-	RN-100M1HBK-0511S	RN-100M1HBK-0511**G**S
13	RNG	RNG100M1HBK-0511S	RNG100M1HBK-0511**G**S
14	SN-	SN-4R7M1HBK-0607S	SN-4R7M1HBK-0607**G**S
15	SNG	SNG2R2M1HBK-0407S	SNG2R2M1HBK-0407**G**S
16	SSN	SSN4R7M1HBK-0605S	SSN4R7M1HBK-0605**G**S

4. ROHS & REACH data before and after sleeve color change：

Series	REA/SEA/RLA/SLA/SSL/SSG/RJA/RGA/SG-/RA-/ SA-/RN-/RNG/SN-/SNG/SSN		Remarks
Items	Before change	After change	
Sleeve material	PET	PET	Same
ROHS report NO.	CE/2018/75546A	CE/2018/75546A	Same
ROHS report NO.	TWNC00762466	TWNC00762466	Same

5. Conclusion:

5.1 The capacitor sleeve is used for appearance marking and insulation. The above changes the only the sleeve color. The sleeve material has not been changed. The electrical characteristics of the product have not been changed as none of the materials that affect performance have been altered in any way.