



Issue date: March 26, 2026

Takashi.Tsuwa
Director

Optical Device Division
Generic Devices·Module Headquarters
ROHM Co., Ltd.

Notification of Product Discontinuance
Doc. No.: 5026001

This letter intends as a formal notification of discontinuance of products which are currently supplied by ROHM Co., Ltd.

ROHM Co., Ltd. requires customers to provide acknowledgment of the receipt of this notification within 30 days from the date of this notice. Lack of acknowledgment of this notice within 30 days is considered as acceptance of the change.

After acknowledgement of the customer, lack of additional response within 90 day period constitutes acceptance of the change according to JEDEC Standard J-STD-046.

Your understanding and cooperation would be highly appreciated.

Issue Date:

Product category	Affected part number(s)	Suggested replacement product
LED products	See attached sheet	See attached sheet
<u>Reason for discontinuance</u>		
We have received a request from a material manufacturer to discontinue the resin, and will be discontinuing products that use it.		
<u>Product discontinuance date</u>		
Last time buy : September 30, 2026 / Last time shipment : March 31, 2027		
<u>Comments</u>		
<u>Supplier contact</u>		
Please contact the local ROHM sales office or the authorized distributor.		

[Regarding environmental data and other product related data for discontinued products]
Please be noted that we can only support data which is available at the time of the product discontinuance announcement.

Notes



Electronics for the Future

Change Request Due to Discontinuation of LED Epoxy Resin Material Manufacturer No. 5026001

March 1, 2026
Module Business Strategy Office Product
Strategy Section

【Target Models】

- 1) SMLVN6RGB * W 1 Series
- 2) SML-M1 * T Series
- 3) MSL0104RGB * W Series

【Reason for Material Discontinuation】

Due to PFAS regulations*, the epoxy resin used in the target models will have some of its raw materials discontinued.

Only the epoxy resin LEDs covered by this regulation are subject to restrictions. As ROHM will comply with the regulations, the affected epoxy resin products will be discontinued.

Please switch to the equivalent resin-modified product as the replacement item.

Final order deadline : September 30, 2026

End of production of affected models : March 31, 2027

※PFAS regulations refer to international efforts enacted in November 2023 to restrict the use and discharge of per- and polyfluoroalkyl substances (PFAS), a collective term for perfluoroalkyl and polyfluoroalkyl compounds. These regulations are being strengthened to prevent impacts on the environment and human health.

5M Change Sheet

List of Changes to the 5M and Management System

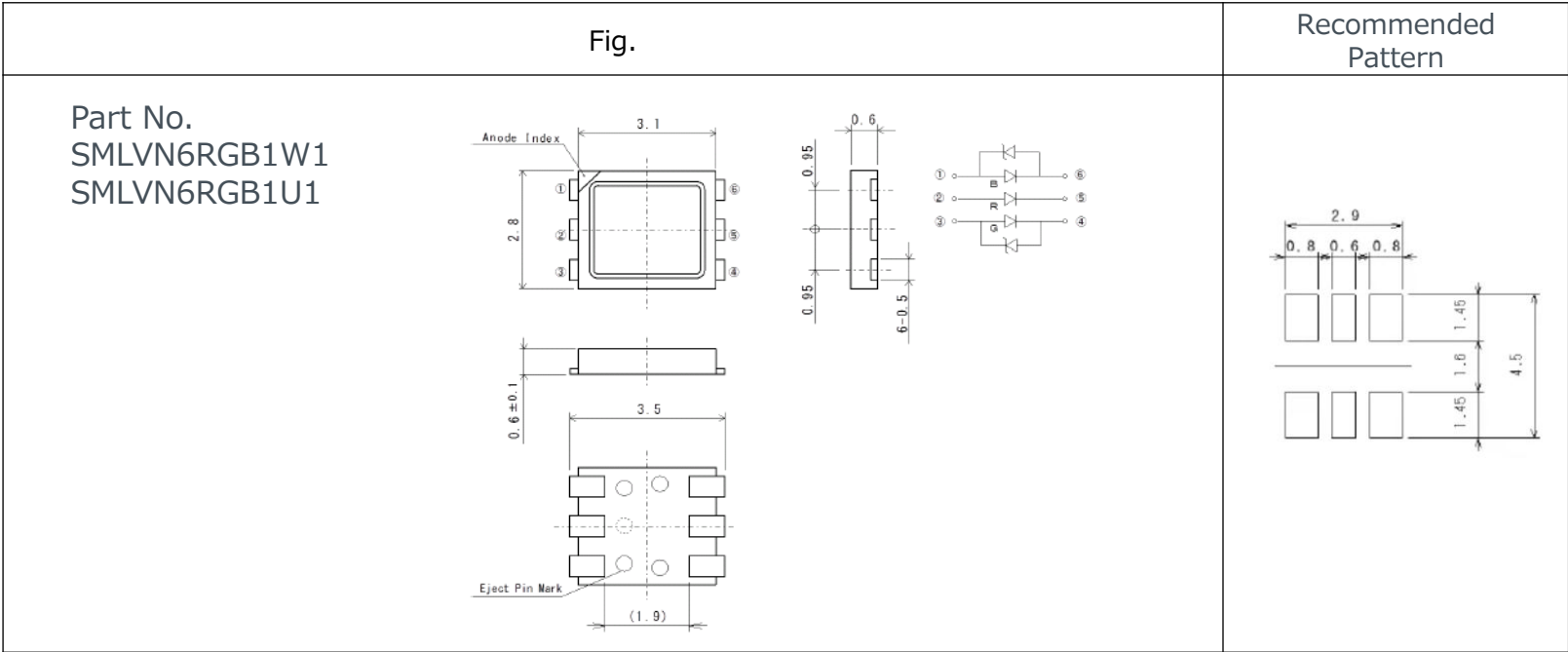
				Change point		Response Details
				Before change	After change	
5M level changes	M a n 人			No changes		-
	M a c h i n e 設備			No changes		-
	M e t h o d 方法			No changes		Some custom specifications may be accommodated individually after discussion with the customer.
	M a t e r i a l 材料	Main material	Dai	No changes		-
			Wire	No changes		-
			Sealing resin	Epoxy resin	silicone resin	We have prior experience with silicone resin products in the same package.
			circuit board	No changes		-
		Sub-materials	Taping material	No changes		-
			Other	No changes		-
			M e a s u r e m e n t 計測			No changes
Changes at the system level	QA System (including the Abnormal Condition Management System)			No changes		-
	Instrument Management System			No changes		-
	Environmental Management System			No changes		-

SMLVN6RGB * W1 Substitute Comparison Chart



Representative Part Number Equivalent Comparison Table

	Color	Part No.	Package Size	Pattern Compatibility	Device materials	Package Type	I _v (mcd) (typ.)	V _f (V) (typ.)	λD(nm) (typ.)	Resin	IF condition (mA)	T _{opr} (℃)
現行品 Current product	Red	SMLVN6RGB1 W 1	3.5x2.8 t=0.6	—	AlGaInP	reflector SideView	700	2.1	624	Epoxy	20	-30~85
	Green				InGaN		1200	3.3	527			
	Blue				InGaN		400	3.3	470		R:12 G:15 B:12	
	White				-		1700	-	(0.3,0.3)			
代替え品 Replacement product	Red	SMLVN6RGB1 U 1	3.5x2.8 t=0.6	○	AlGaInP	reflector SideView	700	2.1	624	Silicone	20	-30~85
	Green				InGaN		1200	3.3	527			
	Blue				InGaN		400	3.3	470		R:12 G:15 B:12	
	White				-		1700	-	(0.3,0.3)			



Alternative product
ROHM internal product
: SMLVN6RGB1U1

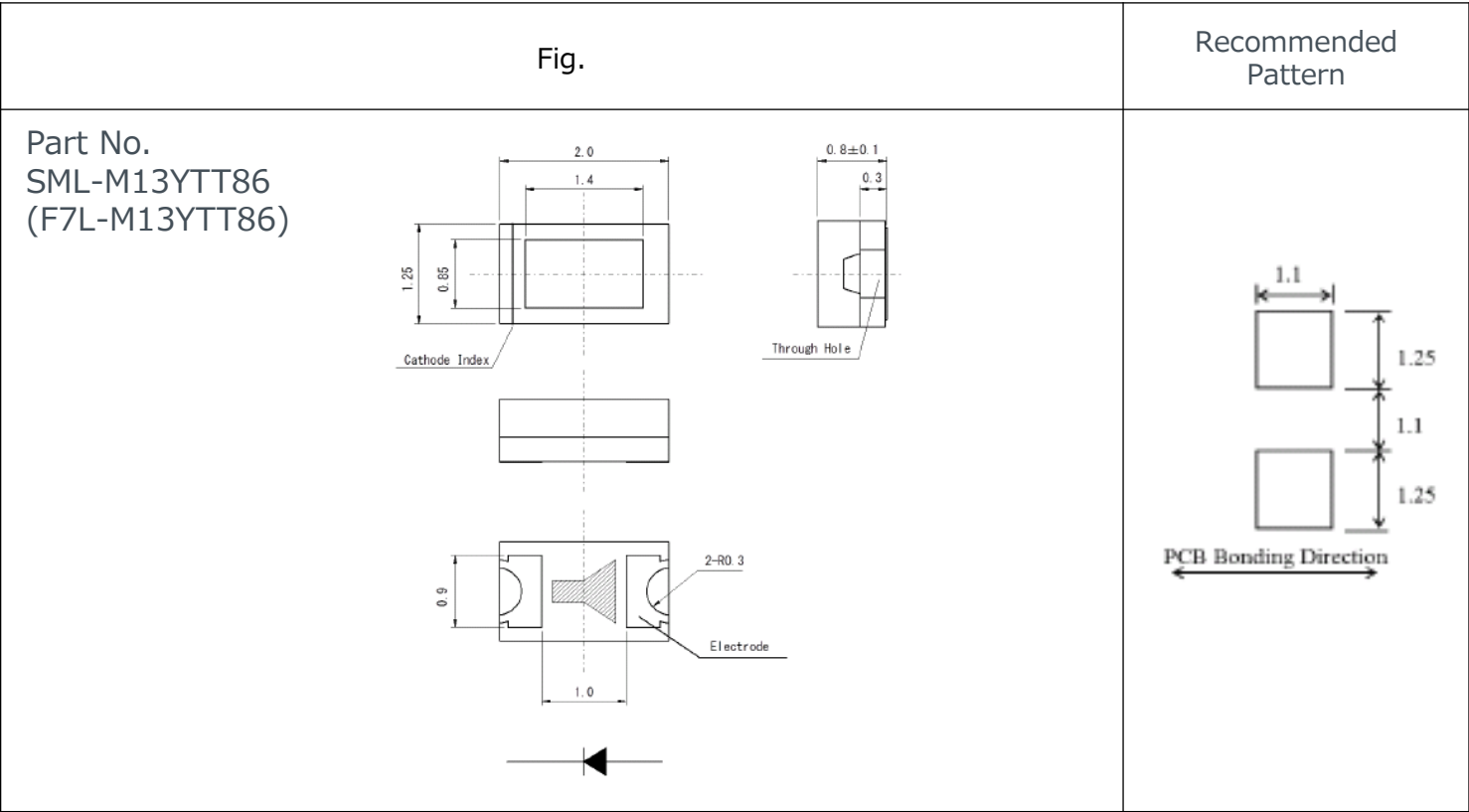
Item	Differences from conventional products
Part Number	Change
Structure	Resin Change
Characteristics	same
Outline	same
Implementation Pattern	same

SML-M1 * T Substitute Comparison Chart



Representative Part Number Equivalent Comparison Table

	Color	Part No.	Package Size	Pattern Compatibility	Device materials	Package Type	I v (mcd) (typ.)	Vf(V) (typ.)	λD(nm) (typ.)	Resin (typ.)	IF condition (mA)	T opr (°C)
現行品 Current product	Yellow	SML-M13YTT86	2.0x1.25 t=0.8		AlGaInP	Reflector	160	2	590	Epoxy	20	-40 ~ +85
代替品 Replacement product	Yellow	SML-M13YTT86	2.0x1.25 t=0.8	○	AlGaInP	Reflector	160	2	590	Silicone	20	-40~+85



◆Alternative product
ROHM internal product
: SML – M1*

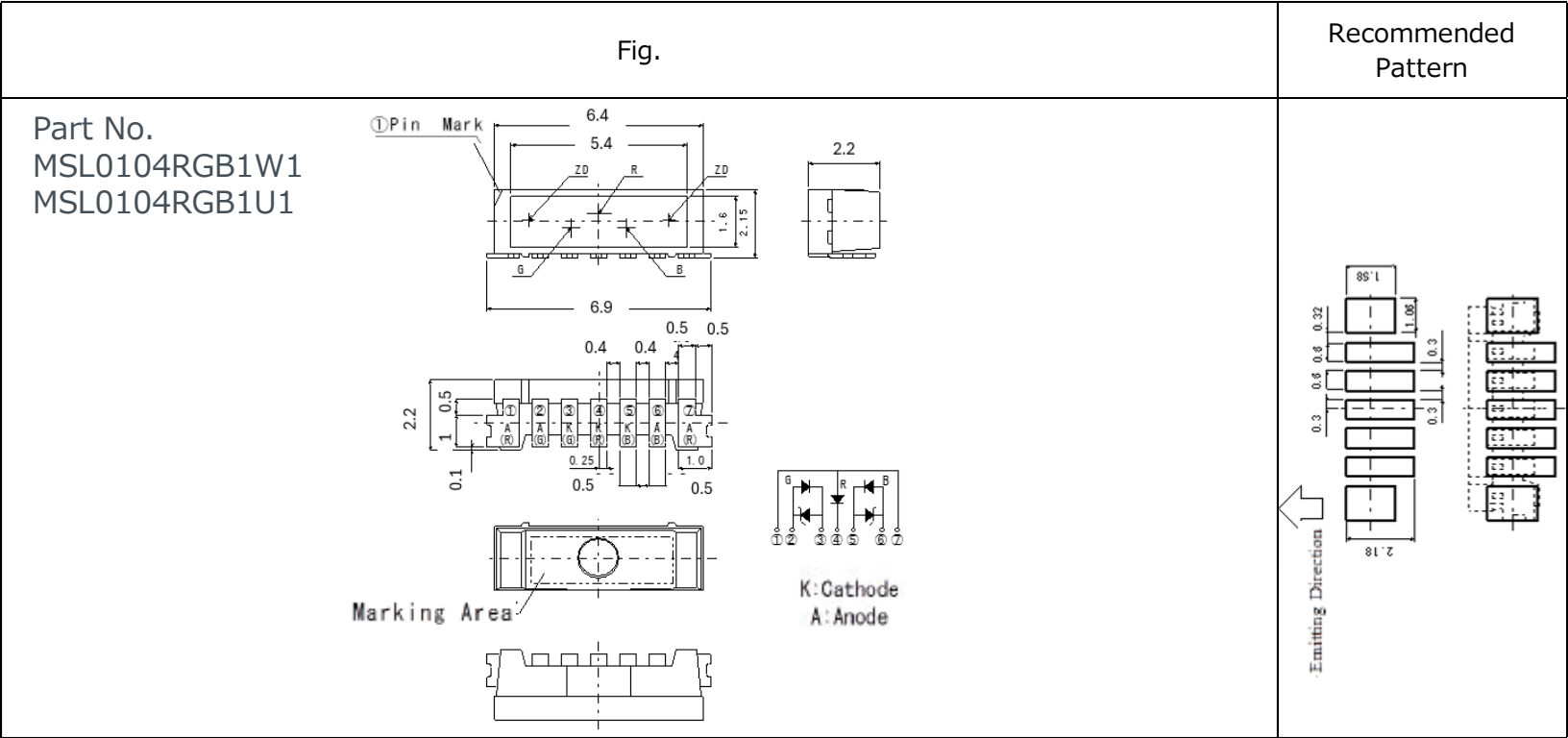
Item	Differences from conventional products
Part Number	same
Structure	Resin Change
Characteristics	same
Outline	same
Implementation Pattern	same

MSL0104RGBW1 Substitute Comparison Chart



Representative Part Number Equivalent Comparison Table

	Color	Part No.	Package Size	Pattern Compatibility	Device materials	Package Type	I _v (mcd) (typ.)	V _f (V) (typ.)	λD(nm) (typ.)	Resin	IF condition (mA)	T _{opr} (°C)
現行品 Current product	Red	MSL0104RGBW1	6.9x2.2 t=2.15		AlGaInP	reflector SideView	700	2.1	624	Epoxy	20 R:8 G:14 B:18	-30~85
	Green				InGaIn		1200	3.3	527			
	Blue				InGaIn		400	3.2	470			
	White				-		1650	-	(0.25, 0.24)			
代替え品 Replacement product	Red	MSL0104RGBU1	6.9x2.2 t=2.15	○	AlGaInP	reflector SideView	700	2.1	624	Silicone	20 R:8 G:14 B:18	-30~85
	Green				InGaIn		1200	3.3	527			
	Blue				InGaIn		400	3.2	470			
	White				-		1650	-	(0.25, 0.24)			



◆Alternative product

ROHM internal product

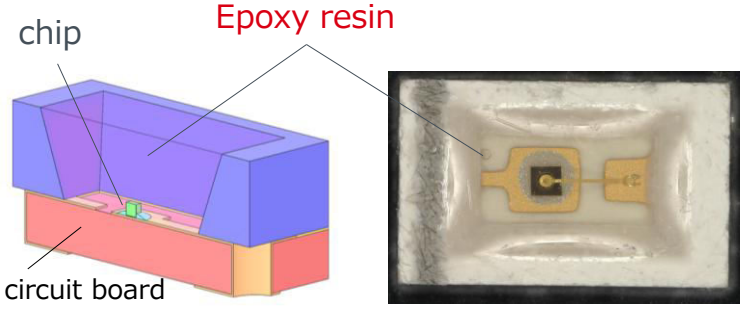
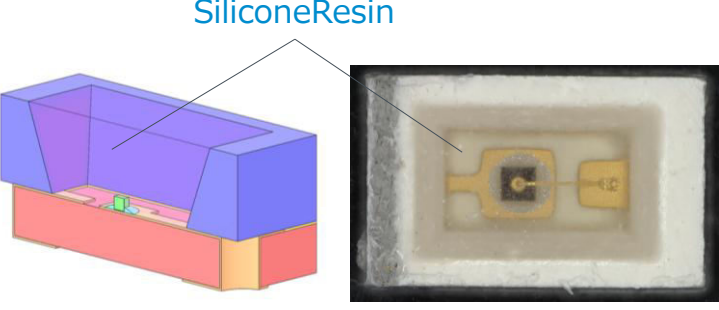
: MSL0104RGBU1

Item	Differences from conventional products
Part Number	Change
Structure	Resin Change
Characteristics	same
Outline	same
Implementation Pattern	same

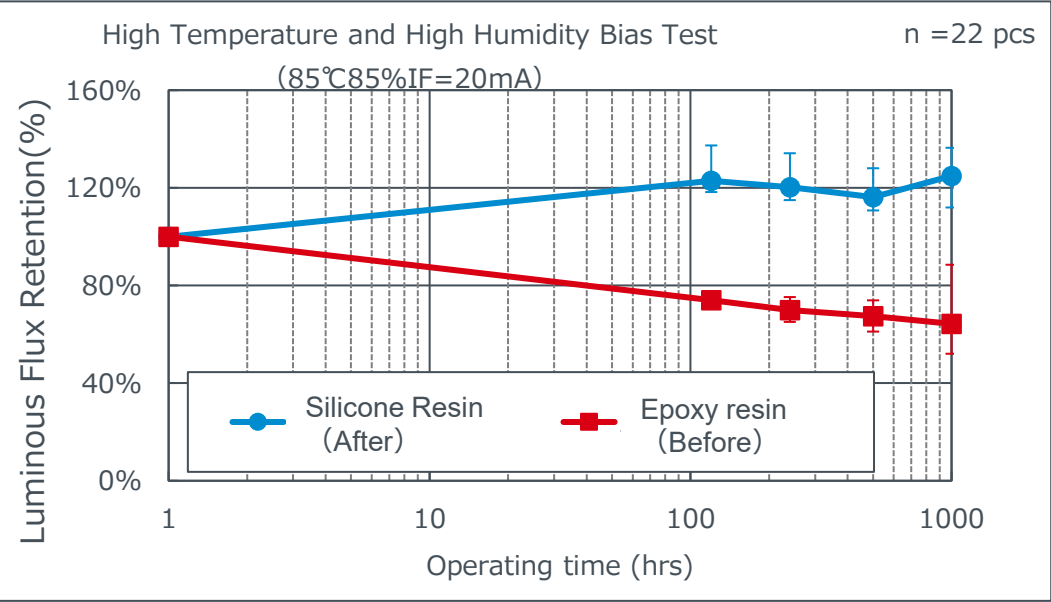
Reliability Test Results_Replacement Parts

試験項目 Test Items	参考規格 Reference STD	試験条件 Test Condition	n (pcs)	Pn (pcs)
半田耐熱 Solder Heat Resistance	J-STD-020D-01	前処理 : 30℃/70% RH 168hr リフローピーク温度 : 250℃10秒 220℃以上60秒 プレヒート : 140℃~180℃ 60秒 リフロー回数 : 2回 Pretreatment : Temperature Humidity Storage(30℃/70%RH/168hr) Reflow Peak Temp : 250℃ 10sec Over 220℃ for 60 sec Preheat : 140 to 180℃60sec Repeat for 2 cycles	22	0
半田付性 Solderbility	JESD22-B102E	ロジン系フラックスに5±1秒浸漬し、245±5℃の Pbフリー半田槽で製品裏面を3±0.5秒浸漬 Immerse into rosin flux for 5±1sec,and the device for 3±0.5sec into Pb-free solder bath at 245±5℃	22	0
落下 Free Drop	JEITA ED-4701 A-124	高さ : 75cm 楓板上 : 3回 H=75cm Maple Boad : 3 times	22	0
振動 Vibration	JEITA ED-4701 A-121	100~2000Hz 98.1m/S ² X,Y,Zの各方向 2時間 100~2000Hz 98.1m/S ² 2hours each on each direction of X,Y,Z	22	0
温度サイクル Thermal Cycle	JESD22-A104E	Ta=Tstg Min.℃(30min)~Tstg Max.℃(30min.) 100cycle	22	0
高温放置 High Temperature Storage	JESD22-A103E	Ta=Tstg Max.+5℃/-0℃ 1000hrs	22	0
高温高湿放置 High Temperature High Humidity Storage	JEITA ED-4701 B-121	Ta=+85±2℃ 85±5%RH 240hrs	22	0
低温放置 Low Temperature Storage	JESD22-A119A	Ta=Tstg Min.±5℃ 1000hrs	22	0
動作寿命 Load Life	JESD22-A108D	Ta=25±5℃ IF=IFMax . 1000hrs	22	0

The replacement part for the target item has been verified for reliability as described above.

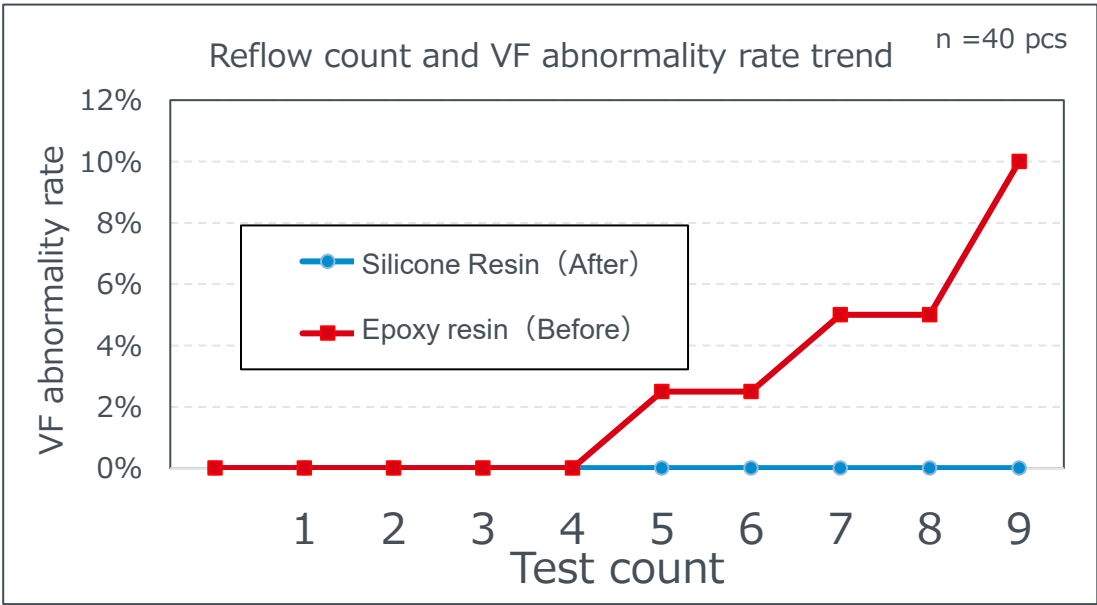
	Before change	After the change
Structure /Appearance		

①Light and Moisture Resistance Test



①Lightfastness and moisture resistance... 20% or more reduction in lightfastness degradation

②Heat Resistance Test



② Heat resistance... Reduced thermal stress and improved reflow heat resistance



Electronics for the Future

Public (External) PN
SML-M13UTT86AAU
SML-M14VTT86AAS
SML-M14VTT86AAT
SML-M14VTT86AAU
SML-M14VTT86AAV
SML-M13RTT86B
SML-M13RTT86C
SML-M13U2TT86S
SML-M13U2TT86T
SML-M13DTT86S
SML-M13DTT86T
SML-M13MTT86P
SML-M13MTT86Q
SML-M13MTT86R
SML-M13PTT86L
SML-M13PTT86M
SML-M13PTT86N
SML-M13UTT86R
SML-M13UTT86S
SML-M13VTT86Q
SML-M13VTT86R
SML-M13YTT86S
SML-M13YTT86T
SML-M13DTT86S
SML-M13DTT86T
SML-M13MTT86P
SML-M13MTT86Q
SML-M13MTT86R
SML-M13PTT86L
SML-M13PTT86M
SML-M13PTT86N
SML-M13RTT86A
SML-M13RTT86B
SML-M13RTT86C
SML-M13UTT86AAT
SML-M13UTT86AAU
SML-M13UTT86AAV
SML-M13UTT86R
SML-M13UTT86S
SML-M13VTT86Q
SML-M13VTT86R

SML-M13YTT86S
SML-M13YTT86T
SML-M14PTT86AAK
SML-M14PTT86AAL
SML-M14PTT86AAM
SML-M14VTT86AAS
SML-M14VTT86AAT
SML-M14VTT86AAU
SML-M14VTT86AAV

Public (External) PN	Alternative Public (External) PN
SMLVN6RGB1W11Y	SMLVN6RGB1U11Y
SMLVN6RGB1W12Y	SMLVN6RGB1U12Y
SMLVN6RGB1W13Y	SMLVN6RGB1U13Y
SMLVN6RGB1W14Y	SMLVN6RGB1U14Y
SMLVN6RGB1W15Y	SMLVN6RGB1U15Y
SMLVN6RGB1W16Y	SMLVN6RGB1U16Y
SMLVN6RGB1W17Y	SMLVN6RGB1U17Y
SMLVN6RGB1W18Y	SMLVN6RGB1U18Y
MSL0103RGBW11Y	MSL0104RGBU11Y
MSL0103RGBW12Y	MSL0104RGBU12Y
MSL0103RGBW13Y	MSL0104RGBU13Y
MSL0103RGBW14Y	MSL0104RGBU14Y
MSL0103RGBW15Y	MSL0104RGBU15Y
MSL0103RGBW16Y	MSL0104RGBU16Y
MSL0103RGBW17Y	MSL0104RGBU17Y
MSL0103RGBW18Y	MSL0104RGBU18Y
MSL0104RGBW11Y	MSL0104RGBU11Y
MSL0104RGBW12Y	MSL0104RGBU12Y
MSL0104RGBW13Y	MSL0104RGBU13Y
MSL0104RGBW14Y	MSL0104RGBU14Y
MSL0104RGBW15Y	MSL0104RGBU15Y
MSL0104RGBW16Y	MSL0104RGBU16Y
MSL0104RGBW17Y	MSL0104RGBU17Y
MSL0104RGBW18Y	MSL0104RGBU18Y
SML-M13MTT86MP	SML-M13MTT86P
SML-M13MTT86MQ	SML-M13MTT86Q
SML-M13MTT86MR	SML-M13MTT86R
SML-M13YTT86MS	SML-M13YTT86S
SML-M13YTT86MT	SML-M13YTT86T
SMLV56RGB1W11KY	SMLVN6RGB1U11Y
SMLVN6RGB1W11Y	SMLVN6RGB1U11Y
SMLV56RGB1W12KY	SMLVN6RGB1U12Y
SMLVN6RGB1W12Y	SMLVN6RGB1U12Y
SMLV56RGB1W13KY	SMLVN6RGB1U13Y
SMLVN6RGB1W13Y	SMLVN6RGB1U13Y
SMLV56RGB1W14KY	SMLVN6RGB1U14Y
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SMLVN6RGB1W15Y	SMLVN6RGB1U15Y
SMLV56RGB1W16KY	SMLVN6RGB1U16Y
SMLVN6RGB1W16Y	SMLVN6RGB1U16Y
SMLV56RGB1W17KY	SMLVN6RGB1U17Y

SMLVN6RGB1W17Y	SMLVN6RGB1U17Y
SMLV56RGB1W18KY	SMLVN6RGB1U18Y
SMLVN6RGB1W18Y	SMLVN6RGB1U18Y
SMLVN6RGB7W11X	SMLVN6RGB1U11Y
SMLVN6RGB7W12X	SMLVN6RGB1U12Y
SMLVN6RGB7W13X	SMLVN6RGB1U13Y
SMLVN6RGB7W14X	SMLVN6RGB1U14Y
SMLVN6RGB7W15X	SMLVN6RGB1U15Y
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SMLVN6RGB7W17X	SMLVN6RGB1U17Y
SMLVN6RGB7W18X	SMLVN6RGB1U18Y