



February 10, 2020

Dear customers

ROHM Co., Ltd.

Impact of New Coronavirus Infection on Production and Shipment at Our Factory in China

We are grateful for your continued refinement.

Thank you very much for your special attention.

We report that the impact of the new coronavirus, which is spreading mainly in China, will have some impact on the production and shipment at our Tianjin factory and outsourcing contractors in China.

We apologize for the great concern this may cause.

We will make every effort to resume operation as soon as possible, while paying close attention to the impact of the new coronavirus and the trends of the Chinese authorities.

We sincerely ask for your understanding.

1. Tianjin Factory (ROHM Semiconductor (China) Co., Ltd.)

- **Operation suspended until February 16 (Sun)** (however, there is a possibility that the suspension may be shortened or extended based on the guidance of the Chinese authorities)
- Main Products: Diodes, LEDs, Laser Diodes, Sensors, LED Displays, 7 Segment Displays

2. Outsourcing Contractors, Other Impact, Backup Plan, etc.

- Our sales representative will explain individually.

Sincerely yours,

Tadanobu Fujiwara

President

ROHM Co., Ltd.

Dear Customers,



No.QAU-19-044
10/Feb/2020
QA HQ
Group General Manager
Takashi Miki

Approval of alternative products due to suspension of Tianjin factory

Dear Sirs,

Please kindly be advised that we decided to suspend our production at Tianjin factory for a limited time, due to the spread of the Coronavirus in China. We apologize for any inconvenience to our customers caused by this inevitable decision, but we would appreciate your cooperation in approving the following alternative products as an emergency measure.

1. Applied products
 - ROHM Tianjin products : Diodes, LED, Laser diodes

2. Changes to the package for each applied product and corresponding details
 - For alternative products, we will supply products equivalent to those of the Tianjin factory in terms of quality and reliability.
 - Details will follow.

3. Requests
 - We are very sorry for the inconvenience, but we would appreciate your immediate consent for the delivery of a replacement product in response to this emergency situation.

【Points of change and quality assurance for each applied product / package】

<Diodes>

Package	Changes			Points of change and quality assurance : Complement for the changes
	Plant	Line	Inspection	
UMD2M : Wide Line (SC-90A)	○	—	(○) Automotive	<ul style="list-style-type: none"> • Wide line products of Malaysia / Thailand factory will be delivered. <ul style="list-style-type: none"> ※Although the factories are different, the equipment / environment / manufacturing conditions are the same, and we have a licensing system for operators, so there is no difference to the Tianjin products. • Automotive products : <ul style="list-style-type: none"> ①High-temperature measurement is not performed in the alternative production factory line, but reflow process is added and equivalent screening is performed. ②The automotive part numbers will be changed to the common part number, however, we guarantee the products that have been managed in the same way as automotive, such as 100% analysis of all LOTS.
EMD2M : Wide Line (SC-79)	○	—	(○) Automotive	<ul style="list-style-type: none"> • Wide line product of Thai factory will be delivered. <ul style="list-style-type: none"> ※Although the factories are different, the equipment / environment / manufacturing conditions are the same, and we have a licensing system for operators, so there is no difference to the Tianjin products. • Automotive products : <ul style="list-style-type: none"> ①High-temperature measurement is not performed in the alternative production factory line, but reflow process is added and equivalent screening is performed. ②The automotive part numbers will be changed to the common part number, however, we guarantee the products that have been managed in the same way as automotive, such as 100% analysis of all LOTS.
PMDU : Hoop Line (SC-109B)	○	—	—	<ul style="list-style-type: none"> • Hoop line products of Malaysia factory will be delivered. <ul style="list-style-type: none"> ※Although the factories are different, the equipment / environment / manufacturing conditions are the same, and we have a licensing system for operators, so there is no difference to the Tianjin products.
PSM : Hoop Line (SMA)	○	—	—	

Note: Wide / Hoop line: This is the name of our production system. The wide line indicates production on a strip frame, and the hoop line indicates production on a continuous frame.

• High temperature measurement: High temperature measurement has been introduced for automotive products to prevent the occurrence of defects after mounting.

We have determined that the same screening effect can be obtained by performing reflow.

<LED>

Package	Changes			Points of change and quality assurance : Complement for the changes
	Plant	Line	Inspection	
SML-D1 SML-31 SML-21	○	—	—	<ul style="list-style-type: none"> • Malaysia factory products will be delivered. <ul style="list-style-type: none"> ※Although the factories are different, the equipment / environment / manufacturing conditions are the same, and we have a licensing system for operators, so there is no difference to the Tianjin products.

<Laser diodes>

Package	Changes			Points of change and quality assurance : Complement for the changes
	Plant	Line	Inspection	
RLD78NZM5	○	—	—	<ul style="list-style-type: none"> • Okayama(Japan) factory products will be delivered. <ul style="list-style-type: none"> ※Although the factories are different, the equipment / environment / manufacturing conditions are the same, and we have a licensing system for operators, so there is no difference to the Tianjin products.

No.	Package	Type	MPN	Factory	Alternate factory	Remarks
1	LED	LED	MSL0101RGBU11Y	Tianjin, China	MAGIC(Outsource)	
2	LED	LED	SML-P11DTT86RK	Tianjin, China	No alternative production	Proposing alternate part no.
3	LED	LED	SML-P11MTT86RG	Tianjin, China	No alternative production	Proposing alternate part no.
4	LED	LED	SML-P11VTT86G	Tianjin, China	No alternative production	Proposing alternate part no.
5	LED	LED	SML-P12MTT86RM	Tianjin, China	No alternative production	Proposing alternate part no.
6	LED	LED	SMLP34RGB1W3A	Tianjin, China	No alternative production	Proposing alternate part no.
7	LED	LED	SMLVN6RGB1U11Y	Tianjin, China	MAGIC(Outsource)	
8	OPM	OPM	RPR-220	Tianjin, China	No alternative production	Proposing alternate part no.
9	PSM	PDI	RB051L-40TE25	Tianjin, China	Malaysia	
10	PSM	PDI	RB081L-20TE25	Tianjin, China	Malaysia	
11	PSM	PDI	RB161L-40TE25	Tianjin, China	Malaysia	
12	PSM	PDI	RF08L6STE25	Tianjin, China	Malaysia	
13	EMD2M	DI	1SS400SMT2R	Tianjin, China	Thailand	
14	UMD2M	DI	1SS355VMTE-17	Tianjin, China	Thailand , Malaysia, Japan	
15	UMD2M	DI	UDZVTE-1716B	Tianjin, China	Thailand , Malaysia, Japan	
16	UMD2M	DI	UDZVTE-1718B	Tianjin, China	Thailand , Malaysia, Japan	
17	UMD2M	DI	UDZVTE-175.6B	Tianjin, China	Thailand , Malaysia, Japan	
18	UMD2M	DI	UDZVTE-178.2B	Tianjin, China	Thailand , Malaysia, Japan	
19	EMD2	DI	RB521S-30TE61	Tianjin, China	Korea	
20	SMD3	DI	RB411DT146	Tianjin, China	Thailand	
21	UMD3	DI	DAN202UT106	Tianjin, China	Thailand, Korea	
22	SMD3	DI	DAN217T146	Tianjin, China	Thailand	
23	UMD3	DI	UMZ27NT106	Tianjin, China	Thailand, Korea	
24	USM	DI	1SS355TE-17	Tianjin, China	Malaysia	
25	USM	DI	UDZSTE-1718B	Tianjin, China	Malaysia	
26	USM	DI	UDZSTE-176.8B	Tianjin, China	Malaysia	
27	PH	PH	KF2004-GC36	Dalian, China	Japan	