

RENESAS TECHNICAL UPDATE

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Product Category	RF Transistor		Document No.	TN-PTR-A004A/E	Rev.	1.00
Title	The change of Package Mold Resin of RF and Microwave Devices for Halogen Free		Information Category	Change of Packages		
Applicable Product	4pin Power Mini Mold products		Lot No.	Reference Document		
	4pin Power Mold products		From June 2012			

1. Affected products

Package: 4pin Power Mini-Mold plastic package

4pin Power Mold plastic package

Please refer to the attached list.

2. Description of changes

The package mold resin is changed into non-brominated flame retardants (Halogen Free Resin).

Compound Semiconductor Devices Business Division, Renesas Electronics calls "halogen free" products by which the content of chlorine (Cl) and bromine (Br) in the package mold resin. The substance fulfill following criteria.

Bromine (Br) <900ppm , Chlorine(Cl)<900ppm , Br+Cl<1500ppm

3. Reason for changes

The change into environment conscious products and the rationalization of material procurement by unified material.

4. Distinguish Method

Rank: "Y" adheres to the head of the rank.

You can identify it on the label.

5. Schedule of changes

It starts from the production in June, 2012.

Halogen Free products will be shipped in parallel with current Halogen products for a certain period.

6. Electrical characteristics and reliability

The electrical characteristics and reliability of the products will not be affected by this change.

And production process and flow are the same as current products.

List of Affected products

4pin Power Mini Mold products

Part Number	Old rank	New Rank
2SC5336-AZ 2SC5336-T1-AZ	RH, RF, RE	YRH, YRF, YRE
2SC5337-AZ 2SC5337-T1-AZ	QR, QS	YQR, YQS
2SC5338-AZ 2SC5338-T1-AZ	SH, SF, SE	YSH, YSF, YSE

4pin Power Mold products

Part Number	Old rank	New Rank
NE5500179A-A NE5500179A-T1-A NE5500179A-T1A-A	K	YK
NE5500479A-A NE5500479A-T1-A NE5500479A-T1A-A	K	YK
NE5510279A-A NE5510279A-T1-A NE5510279A-T1A-A	K	YK
NE5511279A-A NE5511279A-T1-A NE5511279A-T1A-A	K	YK
NE5520279A-A NE5520279A-T1-A NE5520279A-T1A-A	K	YK
NE5520379A-A NE5520379A-T1-A NE5520379A-T1A-A	K	YK
NE552R479A-A NE552R479A-T1-A NE552R479A-T1A-A	K	YK
NE552R679A-A NE552R679A-T1-A NE552R679A-T1A-A	K	YK
NE5531079A-A NE5531079A-T1-A NE5531079A-T1A-A	K	YK
NE5550979A-A NE5550979A-T1-A NE5550979A-T1A-A	K	YK