

Environmental General Affairs Group
Circuit Components Business Unit
Panasonic Electronic Devices Co.,Ltd
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Date: February.29, 2008

To: Thoratec Phase2B
From: Masayuki Kunieda
Councilor / Environmental General Affairs Group
Circuit Components Business Unit
Panasonic Electronic Devices Co.,Ltd.

Warranty

Our company (Panasonic Electronic Devices Co., Ltd.) hereby warrants that our products listed in Item I below which are to be supplied to your company on and after the shipment commencement date specified in Section II below do not contain the substances specified in Item III below as the result of our intentional conduct.

I. The Applicable Product

| Products Name | Products Number |
|----------------------------|-----------------|
| Metal Oxide Film Resistors | ERG2SJ@@@ |
| Thick Film Chip Resistors | ERJ6GEYJ@@@V |

II. Shipment Commencement Date (February.29, 2008)

III. The Applicable Substances (EU RoHS Directive)

1. Cadmium and its compounds
2. Lead and its compounds
3. Mercury and its compounds
4. Hexavalent chromium compounds
5. Polybrominated biphenyls (PBBs)
6. Polybrominated diphenylethers (PBDEs)

Remark:

Thick Film Chip Resistors are assigned with EU RoHS exception: Lead in glass

Signature



Masayuki Kunieda