

**Supplier's Declaration
On Restricted or Banned Materials and
Chemical Substances**



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|--|---|----------------------------------|
| TITLE : RoHS 2 Compliance | | |
| CUSTOMER | PRODUCT Thick Film Chip Resistor (Glass Coating Type) | Prepared by Eun-Hee Ma |
| SAMSUNG ELECTRO-MECHANICS DOCUMENT | | |
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We, Samsung, declare that our **Chip Resistor** is in compliance with European Directive 2011/65/UE

The detail information about ingredients of requested items is as below.

☉ **Section I . Banned Substances**

| Substance | USE | Application | Purposes of Use |
|--|-----|--|-----------------|
| Lead and its compounds | O | Pb-Oxide in Glass Frits (RoHS's Exemption) 7(c)-I Electrical and electronic components containing lead in a glass. | Resistive Layer |
| Mercury and compounds | X | | |
| Hexavalent Chromium | X | | |
| Cadmium and its compounds | X | | |
| Polybrominated biphenyls(PBBs) | X | | |
| Polybrominated diphenyls ethers(PBDEs) | X | | |

☉ **Section II . Controlled substances**

| Substance | USE | Application | Purposes of Use |
|---------------------------------|-----|-------------|-----------------|
| Antimony and its compounds | X | | |
| Arsenic and its compounds | X | | |
| Beryllium and its compounds | X | | |
| Barium and its compounds | X | | |
| Manganese and its compounds | X | | |
| Organic-tin compounds | X | | |
| Nickel and its compounds | O | Ni Plating | Barrier Layer |
| Bismuth and its compounds | X | | |
| Copper and its compounds | X | | |
| Asbestos etc. | X | | |
| Cyanides | X | | |
| Polychloroterphenyls(PCTs) | X | | |
| Polychlorinated biphenyls(PCBs) | X | | |
| Polyvinyl chloride(PVC) | X | | |

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Hwansoo Lee

Signature of Authorized Company Representative

Position

E-mail

HwanSoo Lee (General Manager)

hwansoo725.lee@samsung.com

Address

Phone

314, Maetan-3dong, Youngtong-Gu, Suwon-Si, Kyungki-Do, 442-743, Korea

[82-31-210-3694](tel:82-31-210-3694)

Company Environmental Authorized person (if other than above) E-mail

EunHee Ma

eunhee.ma@samsung.com

Address

Phone

Same as above

[82-31-218-2634](tel:82-31-218-2634)

If you have another question, feel free to ask the our salesperson .

※ If you have any questions, feel free to contact our salesperson.