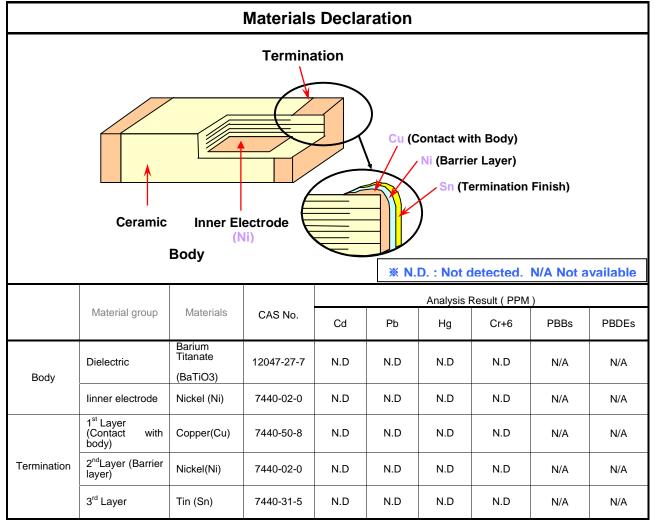
Supplier's Declaration On Restricted or Banned Materials and Chemical Substances

Date from 2015

SAMSUNG ELECTRO-MECHANICS

| TITLE: RoHS 2 Compliance | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------|
| CUSTOMER: | PRODUCT: MLCC | Prepared by EunHee Ma |
| SAMSUNG ELECTRO-MECHANICS DOCUMENT This document is the property of Samsung Electro-mechanics Co., Ltd. Information herein is confidential. Disclosure to individuals or organizations external to the Samsung Electro- Mechanics is prohibited without proper authorization | | |

We, Samsung, declare that our component <u>MLCC</u> is produced in accordance with Pbfree technology and can be used in Pb-free production and that it fulfills the European Directive 2011/65/EU(known as the "RoHS" Directive)



The detail information about ingredients of our MLCC is as below.

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Banned Substances under RoHS directive

| Substance | USE(O/X) | Purposes of Use |
|----------------------------------------|----------|-----------------|
| Lead and its compounds | Х | |
| Mercury and compounds | X | |
| Hexavalent Chromium | X | |
| Cadmium and its compounds | X | |
| Polybrominated biphenyls(PBBs) | X | |
| Polybrominated diphenyls ethers(PBDEs) | X | |

Controlled substances

| Substance | USE(O/X) | Purposes of Use |
|---------------------------------|----------|---------------------------------------------|
| Antimony and its compounds | Х | |
| Arsenic and its compounds | Х | |
| Beryllium and its compounds | Х | |
| Barium and its compounds | Х | |
| Manganese and its compounds | Х | |
| Organic-tin compounds | Х | |
| Nickel and its compounds | 0 | Inner Electrode/ Plating (Barrier Layer) |
| Bismuth and its compounds | Х | |
| Copper and its compounds | 0 | Termination |
| Asbestos etc. | Х | |
| Cyanides | Х | |
| Polychloroterphenyls(PCTs) | Х | |
| Polychlorinated biphenyls(PCBs) | Х | |
| Polyvinyl chloride(PVC) | Х | |

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Product Weight

| | Size Code | Length x width x Thickness [mm] | Weight [g] |
|----------------------------|-----------------------|---------------------------------|----------------|
| | CL 1005 Series (0402) | 1.0 × 0.5 ×0.5 | 0.00040~0.0014 |
| | CL 1608 Series (0603) | 1.6 × 0.8 ×0.8 | 0.00046~0.0078 |
| Chip Weight with case size | CL 2012 Series (0805) | 2.0 × 1.25 ×1.25 | 0.0052~0.0182 |
| | CL 3216 Series (1206) | 3.2 × 1.6 ×1.6 | 0.0191~0.0487 |
| | CL 3225 Series (1210) | 3.2 × 2.5 ×2.5 | 0.0438~0.1186 |
| | CL 4532 Series (1812) | 4.5 × 3.2 ×3.2 | 0.0787~0.1939 |
| | CL 5750 Series (2220) | 5.7 × 5.0 ×3.2 | 0.2418~0.2979 |

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 | 2-743, Korea <u>82-31-210-3694</u> | |
| Company Environmental Authorized person (if other than above) E-mail | | |
| EunHee Ma | eunhee.ma@samsung.com | |
| Address | Phone 82-31-218-2634 | |
| Same as above | 02-31-216-2034 | |

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

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