

Conformance with RoHS Directives  
ALUMINUM ELECTROLYTIC CAPACITORS

| Type                    | RoHS Compliance | Rohs substances               |                  |                      |                   |   |             |             |  |             | Identification for RoHS compliance parts | MSL(IPC/JEDEC J-STD-020C)                                    |                                    |
|-------------------------|-----------------|-------------------------------|------------------|----------------------|-------------------|---|-------------|-------------|--|-------------|--|--|------------------------------------|
|                         |                 | Outer Sleeves                 | Terminal plating |                      | Terminal material | Resistance to soldering heat<br>Solderability<br>Whisker                          | Cadmium     | Mercury     | Chromium (VI)  | PBB         |  |  | PBDE                               |
| SMD type                | Complied        | Nylon Laminated or PET sleeve | - 10mm           | Change to Sn-Bi      | Fe/Cu/Sn -0.5Bi   | Change(Please contact us for detail)<br>No difference with Sn-Pb plating          | Not contain | Not contain | Not contain  | Not contain | Not contain                              | Add "RoHS Compliance" marking on inner and outer carton labe | Not applicable No need dry package |
|                         |                 |                               | - 12.5mm         | Change to Sn Plating | Fe/Cu/Sn          | No difference with Sn-Pb plating  |             |             |  |             |  |  |                                    |
| Lead wire terminal type | Complied        | Replaces to Lead free PVC(*)  | Change to Sn     |                      | Fe/Cu/Sn          | No change<br>No difference with Sn-Pb plating<br>No difference with Sn-Pb plating | Not contain | Not contain | Not contain  | Not contain | Not contain                              | Add "RohS Compliance" marking on inner and outer carton labe | Not applicable No need dry package |
| Snap-in terminal type   | Complied        | Replaces to Lead free PVC(*)  | Change to Sn     |                      | Fe/Cu/Sn          | No change<br>No difference with Sn-Pb plating<br>No difference with Sn-Pb plating | Not contain | Not contain | Not contain  | Not contain | Not contain                              | Add "RohS Compliance" marking on inner and outer carton labe | Not applicable No need dry package |
| Screw terminal type     | Complied        | Replaces to Lead free PVC(*)  | Not contain      |                      | Aliminum          | Not applicabile   | Not contain | Not contain | Change Chromium(VI ) contained in the plating of fixtures to Chromium(III) | Not contain | Not contain                              | Add "RohS Compliance" marking on inner and outer carton labe | Not applicable No need dry package |