State of the Art, Inc.
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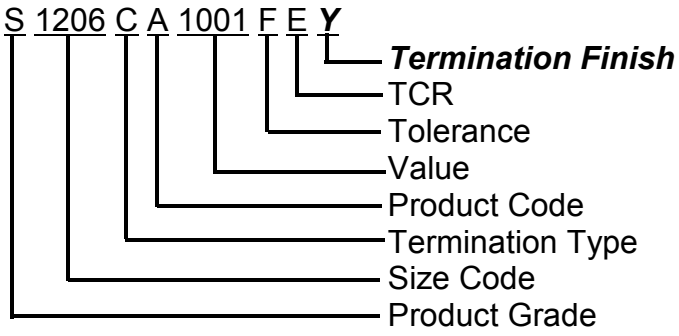
Restriction on Hazardous Substances (RoHS)
Thin Film Product Compliance

The European Unionís RoHS legislation[1] prohibits the sale of products that contain lead, mercury, cadmium, chromium(VI), polybrominated biphenyls, and polybrominated diphenylethers, unless an end use exemption is granted.

State of the Art, Inc. (SOTA) thin film resistors may contain lead, and therefore not be RoHS compliant. Compliance is determined by the termination code identified in the table below.



- ❑ Termination Finishes ***B*** and ***K*** are 60/40 tin lead finishes that are <u>not</u> RoHS compliant.
- ❑ Termination Finishes ***Y*** (silver over nickel), ***V*** (SAC305 solder dipped), and ***M*** (gold/tin solder bump) are solderable and RoHS compliant.
- ❑ Termination Finishes ***W*** and ***A*** are epoxy or wire bondable and are RoHS compliant.

<u>Future Termination Finishes</u>:

As a high reliability resistor manufacturer, SOTA will not provide pure tin terminations due to the potential of tin whisker and tin dendrite formation. SOTA recommends the use of 60/40 tin lead solder for all mission critical high reliability applications. Any new termination finish developed by SOTA will be assigned a new termination finish code.

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[1] Directive 2002/95/EC of the European Parliament and the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.