

California Proposition 65 and Caddock Resistor Products

Caddock Electronics is a Manufacturer of High Performance Film Resistor Products that are intended for use in circuit assemblies that are used in a wide range of professional electronics equipment. The Caddock Resistor Products, as they are used in these circuit assemblies, are not readily accessible to the public during the lifetime of the equipment.

All Caddock High Performance Resistor Products are manufactured at our facilities in Roseburg, Oregon USA. Caddock supplies our resistor products to customers around the world including to customers in California, both directly from Caddock and through Distribution.

In regards to California's Safe Drinking Water & Toxic Enforcement Act of 1986 (Prop 65), Caddock High Performance Film Resistors either:

- A. Do not contain any of the California Prop 65 Substances, or
- B. If they do contain any of the California Prop 65 Substances, when used as intended, these resistors will not cause a level of exposure to persons that will pose a significant risk of cancer or cause birth defects or other reproductive harm.

Notice about Caddock Resistors that have exposed Nickel Finishes

The Caddock Models MP820, MP821, MPM20, MP825, and MP850 TO-Style Resistors have metal heat dissipating surfaces with a thin Nickel plate over the copper heat sink material. These resistors are typically used in professional electronics equipment, high-end audio equipment, and motor controls.

Notice about the Caddock Resistor Products that have Sn/Pb Solder Terminal Finish

1. The current Type MX High Voltage Resistors have a terminal finish of Sn/Pb solder. These resistors are typically used in professional High Voltage Equipment and Test & Measurement Equipment; they are not used in consumer items. The current Type MX Resistor family will be revised in 2019 to have terminals with a thin Gold plate over nickel clad copper wire.
2. A small quantity of Caddock products are supplied to Customer Part Drawings that specify an Sn/Pb hot solder dip terminal finish. These parts are normally used in military, aerospace, and other high reliability applications. These parts are sold only to those customers who specify the Sn/Pb Hot Solder Dip terminal finish on their part drawings, and can only be procured by using the customer drawing part

number and the associated Caddock part number. These customer specific part numbers are not sold by Caddock through catalog distributors and are not made available by Caddock to other customers or to the general public.

When using the very limited number of Caddock products that have an Sn/Pb terminal finish or that have an exposed Nickel (Ni) plated copper heat sink, there is essentially no exposure, to the user or to the public, to any dust or vapor inhalation, and there would be no ingestion of Lead (Pb) or Nickel (Ni). In addition, there is essentially no exposure to the skin of the public when equipment containing these resistors is used; and an extremely limited level of exposure to the skin of customers when these products are used in circuit assemblies. Under normal conditions of use these resistors will not cause a level of exposure, to persons, that will pose a significant risk of cancer or cause birth defects or other reproductive harm.

Additional Environmental Compliance Information is available in these Caddock Applications Engineering Notes that are posted online at www.caddock.com:

AEN:0104: Lead (Terminal) Finishes and Soldering Information

AEN-0105: Caddock Resistors and the RoHS Directive

AEN-0107: Caddock's REACH Compliance Statement

For additional support on Environmental Legislation, please contact Caddock Electronics at caddock@caddock.com.