



DIOTEC Electronics Corp.

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CERTIFICATE OF COMPLIANCE WITH THE RESTRICTION OF THE USE OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT

DIOTEC Electronics Corp. is fully aware of, and in support of, the efforts to restrict the use of lead (and other substances) in electronic equipment and components. As a manufacturer of high power diodes and rectifiers, lead (as an alloying element) is used in the solder of all products produced by DIOTEC.

Specifically, all die attach solder is 92.5% lead, 5% Tin, and 2.5% Silver with a Solidus/Liquidus of 287°C/296°C. In this Primary Soldering process, silicon die are attached to metal. The high electrical conductivity and unique mechanical properties of the high melting point solder make the finished diode/rectifier better able to withstand temperature and physical stress.

The RoHS Directive of the European Parliament-ANNEX⁽¹⁾ has recognized that 1) there is a requirement for high temperature solders and 2) at present, there is not an economically viable alternative to lead to achieve high melting point solders. Because of this, a specific exception to the RoHS Directive is made for "lead in high temperature type solders". The annex to the reference cited below is attached. The complete text of Reference⁽¹⁾ below, may be found on our web site: www.diotec-usa.com

Some of DIOTEC's products incorporate "Secondary Soldering" with solder melting temperatures of approximately 220°C. The Secondary Soldering is required to connect these "diode cells" to a structure such as a lead frame (for example, to form a bridge rectifier) which allows the semiconductor package to be connected to circuit boards, sockets, or wires.

DIOTEC uses **lead-free solder** for all "**Secondary Soldering**".

Additionally, **NONE of the other substances** listed in Article 4 of Reference⁽¹⁾ **are used** in the manufacture of DIOTEC's products **nor are they contained** in any of DIOTEC's finished products.

All exposed terminals are silver, nickel, or tin plated copper. None contain any amount of lead.

Based on the information currently available, DIOTEC Electronics Corp. believes all of its products are in compliance with the current RoHS Regulations.

Thus, no changes are planned nor needed in product marking.

DIOTEC Electronics Corporation - February 28, 2006

(1) European Union RoHS Directive FINAL

"DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronics equipment. Official Journal of the European Union.