

PTC Material Data Sheet

| Product Class | Limit Temperature Sensor, Leaded Disk B59052D1* | | | | | | |
|---|--|---|---|--|--|---------------------------------------|--------------------|
| Date | | | | | | | |
| IMDS ID if available | | | | | | | |
| Version | 5.04 | | 1 | | | | |
| Product Part (IMDS: semi component) | Material Class (IMDS: Material) | Material (Classification) VDA 231 | Substance | TMPS**) [wt%] | CAS if applicable | typical mass of material [wt-%] | Traces see 1) |
| Active Part | Ceramic | 3B | Ba-titanates Pb-titanates Sr-titanates Ca-titanates others*) | 69 15 10 5 | 12047-27-7 12060-00-3 12060-59-2 12049-50-2 | 6.9 | |
| Termination | Heavy Metal Heavy Metal | 1C14 1C2 | Ni Cr | 100 | 7440-02-0 7440-47-3 | | <0.001 <0.001 |
| | Noble Metal | 1D7 | Ag | 100 | 7440-22-4 | | <0.001 |
| Solder | Heavy Metal | 1C15 | Pb +) Sn Ag | 92 5 3 | 7439-92-1 7440-31-5 7440-22-4 | 3.3 | 10.001 |
| Leads | Iron & Steel incl. Alloys | 1A | Fe | 100 | 7439-89-6 | 11.4 | |
| | Iron & Steel incl. Alloys | 1A | Cu | 100 | 7440-50-8 | 0.6 | |
| | Iron & Steel incl. Alloys | 1A | Sn | 100 | 7440-31-5 | 0.2 | |
| Tag | Heavy Metal | 1C12 | Cu | 100 | 7440-50-8 | 42.2 | |
| | Organic, solid | 2C | Thermoplastic Elastomer | 100 | | 19.8 | |
| | Heavy Metal | 1C14 | Ni | 100 | 7440-02-0 | 2.5 | |
| Potting compound | Organic, solid | 2D | Thermosets | 100 | | 13.1 | |
| sizes [mm] 8,5 x 5,8 x 47 | weight range [g] | material numbers B59052D1* | | Sum of total 100 | | | |
| Not part of a Product | , | | | | | | |
| Contact | Ronner Christoph | Important remarks: | | | | | |
| Division | PPD Q QM 1) The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Traces | | | | | | 1906). Traces are |
| Address | 8530 Deutschlandsberg, AUSTRIA | | | product parts, substances etc. that are below a percentage of 0.1 % by weight, if not otherwise regulated. 2) This Material Data Sheet contains typical values of the respective products set forth | | | |
| | Tel: mailto: | | | | | | |
| 1-43 3462 800 2139 | | | | herein. We expressly point out that all values and statements contained herein are based on our best present knowledge and cannot be regarded as binding statements or binding product specifications, unless otherwise explicitly agreed in writing. TDK ELECTRONICS AG AND ITS AFFILIATES HEREBY EXPRESSLY DISCLAIM ANY REPRESENTATION OR WARRANTY, WHETHER EXPRESS, IMPLIED OR STATUTORY, WITH REGARD TO THE STATEMENTS AND VALUES CONTAINED HEREIN, INCLUDING BUT NOT LIMITED TO ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PURPOSE. | | | |
| the European Parliame RoHS - Exemptions for no exemptions; Exemption 6 (a): Lot Exemption 6 (b): Lot | or the Product Class / Produ | 8 th , 2011 on the restrict ict according to Annex of for machining purposes an ininium containing up to 0,4 | means that products are compatition of the use of certain hazardou tell: (☑ valid ☐ not valid) and in galvanized steel containing up to % lead by weight; | ble with the requirem s substances in elec | trical and electronic equipmen | | tive 2011/65/EU of |
| ⊠ Exemption 7 (a): L □ Exemption 7 (c)-I: E □ Exemption 7 (c)-II: L □ Exemption 7 (c)-III: L □ Exemption 15: Le | ead in high melting temperature ty lectrical and electronic component ead in dielectric ceramic in capaci ead in dielectric ceramic in capaci | pe solder (i.e. lead-based a ts containing lead in a glass tors for a rated voltage of 1. tors for a rated voltage of le e electrical connection betw | | nic in capacitors, e.g. pie | | or ceramic matrix compound; | |