

To whom it may concern

Baar, 13. February 2017

ESD (Electrostatic Discharge)

Manufacturer Declaration of Conformity

Traco Electronic AG (TRACO) hereby declares that all TRACO POWER products are tested to ESD-STM5.1-1998 (ESD-HBM) and perform at min. Failure Criteria Class 3A for V change at $1\mu A \pm 30\%$.

HBM level and its corresponding comments (Refer to Industry Council on ESD Target Levels):

Class	Voltage (V) range
Class 0	<250 V
Class 1A	250 to < 500 V
Class 1B	500 to < 1000 V
Class 1C	1000 to < 2000 V
Class 2	2000 to < 4000 V
Class 3A	4000 to < 8000 V
Class 3B	> 8000 V

Table 1. ESDS component sensitivity classification, human body model (per ESD STM5.1-1998).

HBM Level	Classification
2 kV	Exceeds requirement
1 kV	Meets requirement, with margin
500 V	Adequately meets requirement
100 V to <500 V	Sensitive

Conclusion and Note:

based on the ESD Human Body Model (ESD-HBM, ESD-STM5.1-1998), TRACO POWER products can be handled as Non-ESDS material in logistics and on the assembly lines, applying non-ESDS environment for electronic components and using regular packaging materials for non-ESDS electronic components.

Regardless, TRACO recommends TRACO POWER products to be handled with due care and the goods not to be unnecessarily stressed electrostatically.



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