

Sunday, May 3, 2009

## **CE Mark and DC-DC converters**

The CE identification mark is accepted across the entire European Community. It is an indication that the product to which it is applied to conforms with the minimum requirements of all the applicable European Directives for that product, and that duly authorized assessment procedures (technical files) have been carried out on that product.

The most common power supply Directive is the Low Voltage Directive (LVD), EC number 73/23/EEC, which came into force in 1973. This applies to all electrical equipment with an AC input voltage of between 50 and 1000 V for alternating current and between 75 and 1500 V for direct current.

Many DC-DC board mount converters are hence exempt from this directive if they have a nominal input voltage of 5VDC, 12VDC or 24VDC provided the input range is not 75VDC or higher.

Most 48V input DC-DC converters have a DC input range of 36V to 75VDC and so fall under the Directive. 4 : 1 input range models (18 - 75VDC) would also be covered.

A link to the LVD can be found here [http://ec.europa.eu/enterprise/electr\\_equipment/lv/index.htm](http://ec.europa.eu/enterprise/electr_equipment/lv/index.htm)

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