

Art. 1 DISCLAIMER

By using the data in the technical documents of Itacoil (including but not limited to the website, full catalogues or their parts, datasheets and test reports) the Customer accepts the terms and conditions set forth below.

This information has been provided free of charge but remains the sole property of Itacoil.

Itacoil has used reasonable efforts to ensure its accuracy but it does not guarantee that it is error-free, completely accurate or up-to-date.

It is under the responsibility of the Customer to verify the result of the use of this information in his own specific appliance and working ambient.

In no event will Itacoil or its distributors, agents or employees be liable for any direct, indirect, incidental or consequential damages (including but not limited to damages for lost business, lost profits, business interruptions and loss of information) arising from the use of these data or the inability to use them. In no event will Itacoil's liability to the Customer for any cause whatsoever, and regardless of the form of action, exceed €200.

No oral or written information of advice given by Itacoil or its distributors, agents or employees will generate any warranty or vary any provision or information herein.

Itacoil reserves the right to change any portion of these data at any time without notice. Therefore, the Customer is cautioned to verify that data sheets are current before placing orders.

Art. 2 GENERAL

Our Products have been designed and developed for usage in general electronic equipment only; they are not intended for use in areas such as military, aerospace, aviation, submarine, nuclear control, automatic control systems (automotive, train, ship), disaster prevention, medical, public information network etc., unless specifically agreed in writing.

The usage and operation of the Product within ambient conditions that may harm the wire isolation, has to be avoided.

Cleaning agents that are used to clean the Customer application might damage or change the characteristics of the component.

If our Products are potted in the Customer application, the potting material might shrink during and after hardening and might damage the Products.

The solder profile, when present in the datasheet, must be respected. Other profiles or soldering methods are at the Customer's risk and will void the warranty.

The operating temperature of the component shall not exceed the specified maximum temperature, considering that such temperature is the combination of the ambient temperature and the temperature rise of the component.

In order to obtain specific technical requirements, some Products may contain substances subject to restrictions in certain countries. Some information is available online. Feel free to contact our customer service for all the information not available on our website.

Any Product-specific note, caution and warning must be strictly observed. The Products are designed to be used within the values specified in the datasheet. If the specified operating conditions are not respected, the Product may get damaged. Violation of the technical Product specifications will void the warranty.

Art. 3 FINISHED PRODUCTS

For the purposes of these General Technical Notes, Standard Products¹ or Custom Products² of which Itacoil declares the CE compliance are referred to as Finished Products. Itacoil assumes the expenses of CE marking and the responsibility from a design standpoint only with this supply condition. CE marking is to be intended as expression of conformity to IEC EN 61558, unless otherwise declared by Itacoil in writing.

Art. 4 UNFINISHED (SEMI-FINISHED) PRODUCTS

All remaining Products are components excluded from the scope of the Directive 2014/35/EU according to §7 of the "LVD Guide" of August 2018, so they are supplied without CE marking. These Products are always supplied as Semi-finished Products, namely components for a specific use defined by the Customer, with characteristics aiming at satisfying the Customer's needs and conceived for being used in specific equipment, even in presence of declarations about the general suitability for certain areas of application or regulations. These declarations, based on the knowledge of the typical requirements, serve as general guidance and must not be considered as declarations of conformity in a regulatory sense.

Art. 5 GENERAL CUSTOMER RESPONSIBILITY

The Customer takes full responsibility for the compliance of Finished or Semi-finished Products to technical and functional characteristics required for the equipment, as well as to the relevant standards, laws and regulations.

Art. 6 CUSTOMER RESPONSIBILITY RELATED TO PARTICULAR SAFETY-RELEVANT APPLICATIONS

Despite Itacoil designing and manufacturing its Products to the most stringent quality and safety standards, it has to be clearly highlighted that the possibility of a malfunction or failure of electronic components cannot be completely eliminated in the current state of the art, even if the Products are operated within the range of the specifications. Accordingly, Customer applications which require a high degree of reliability or safety shall employ suitable designs or other safeguards in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage.

Art. 7 TECHNICAL REQUIREMENTS

Every type of technical and/or construction necessary requirement (for example clearance, creepage, thermal class of the materials, dimensions, etc.), including any parameters to be respected (for example voltage, current, inductance, resistance, electric strength, etc.), must be specified. As regards the technical parameters, the necessity to carry out the tests and the relative level of assiduity (AQL for statistic inspections - quantity for special inspections - 100% for inspections to be performed on the total amount of pieces produced) must be specified. The requirements stated above must be previously communicated by the Customer in writing. In absence of precise indications, the values of the indicated parameters will be considered as typical preferred values not to be inspected on the production (for example, because they have been verified within the tests performed by the Customer or systematic verification is deemed unnecessary by the Customer).

Rather, Itacoil commits to maintaining the main characteristics of the Product in compliance with the first supply of samples or series through time and to supply, on request, all information needed by the Customer or by laboratories charged by the latter, to perform evaluations and type-tests in order to verify technical and regulatory suitability. Products that have characteristics compliant to the supply conditions and the samples or, in the absence of samples, in compliance with the first supply, cannot be contested (except normal tolerances and any technological or process variation that could intervene through time without deviation of the Product's fundamental characteristics).

All printed circuit board transformers are "to be incorporated" by nature with IP00 protection rating, i.e. protection against direct and indirect contacts must be assured by a suited casing, which does not only consider electrical safety and mechanical strength, but also the temperatures that the transformer may reach in overload and short circuit conditions.

The necessity of sufficient heat exchange towards the environment must be taken into consideration when studying the applications. Given that there are many elements that affect the dissipation of the generated heat (dimension, thickness, type of container material, ambient temperature, load conditions, presence of other components that generate heat, etc.) and given that the life span of the transformer can be significantly shortened if working at high temperatures, relevant checks are recommended. In particular, in final installation, it must be checked that the temperatures of the windings in abnormal conditions (overload, fault tests, etc.) do not exceed 140°C for the power supply transformers at 50-60 Hz and 115°C for all the others, unless otherwise specifically indicated. Moreover, the choice of the transformer must take mains voltage variations into consideration.

The dimensions given in the technical documentation and the catalogues are indicative and, unless differently indicated, are expressed in millimetres. The drawings may not respect real proportions.

Art. 8 SAFETY TRANSFORMERS

¹ Standard Products: manufactured to satisfy general market demands, put together in the catalogue and have pre-determined technical features.

² Custom Products: manufactured to satisfy specific requests made by the Customer; they can be designed by Itacoil or by the Customer.



The transformers defined in the catalogue as “safety transformers” comply with the standards indicated in the related pages. The meaning of the different types of overload and short circuit protection complies with the above mentioned standards. For the models where fuses are required, the transformer has to be protected by a delayed fuse on each secondary output; for transformers up to 30VA, the fuse must comply with the standard CEI EN 60127.2.3 (e.g. series ST523 Omega); for transformers with higher power, the fuse must comply with the standard CEI EN 60127.2.6 (e.g. series VT521 Omega).

Art. 9 STORAGE AND HANDLING

Unless otherwise specified, all Products must be stored and handled as follows:

- ambient temperature within 0°C and 40°C and 70% RH in the original and sealed package;
- ambient temperature within 0°C and 40°C 30°C and 40% RH after opening the package, no oxidation is assured for two months;
- use within 12 months based on the Product date code is recommended, otherwise a 100% solderability cannot be ensured;
- the Products have to be stored in a place free of corrosive gas and harmful gas like sulfur, chlorine, etc.;
- avoid touching the pins with fingers.

Art. 10 GENERAL TERMS OF SALE

Every sale is governed by the General Terms of Sale of Itacoil available at the link below. No other clause or condition, including anything non-compliant proposed by the Customer with his order, will be valid and binding for Itacoil if not expressly accepted in writing by the latter.

General Terms of Sale (foreign countries) - rev. 4.02 2025/02/25

https://www.itacoilweb.com/files/CGV_ENG_sales_conditions.pdf

