Objective Target

The Genaeral Technical Delivery Conditions define and document products, respectively a range of products, and are part of delivery specification. This contains specifications prioritized according to following order:

- Kaschke Customer Data Sheet
- Kaschke Packaging Instructions
- General Technical Deliuvery Conditions

The Genaeral Technical Delivery Conditions ensure, next to a.m. specifications, that requirements of the customer will be followed and the requested demand for high quality standard will be met.
Customer requirements, characteristics or special characteristics to which have not been transmitted by customer and which will impair product safety, legal provisions or fit/function, are not part of the delivery specification.

Definitions

L : Inductance (general)
Q: Quality factor
R_{dc}: DC resistance
R_{ac}: AC restistance
f: frequency
I_{RMS}: current - effektive value
I_P: current - peak value
I_{PP}: current - peak to peak value
I(Form): current form sinus, triangle, rectangle
P_{CuLF}: copper loss by low freqeuncy current
P_{CuHF}: copper loss by high freqeuncy current
P_{Core}: core losses
T_U : ambient temperature for Kaschke part
ΔT: temperature rise on working part
$T_B=T_U+\Delta T$: temperature of part

Product verification will be based upon theory, prototypes and construction techniques. Following the step will be a technical construction analysis for product validation.

Tolerances

Tolerance information on characteristics (e.g. inductance, geometry) apply as warranted production tolerances at 25°C room temperature , 50% relative Humidity.
Any additional spread of the above characteristic must be specified and considered , e.g. tolerance over temperature range for a value of L(-25°C .. 125°C).

Storage Conditions

Requirements on storage conditions are:

- Temperature : -5°C ... +40°C
- Rel. Humidity : 10% ... 60% r.H.

Following influences are to avoid:

- Extreme temperature- and humidity changes, gradients
- Direct sunlight/isolation
- Corrosive atmosphere as salt atmosphere,Cl_2, O_3, etc.
- Dust atmosphere
- Vibrations

The minimum durability indicates the durability respectively processibility in soldering processes of a material as from shipping date.
The minimum durability of Kaschke products :

- THT-parts with passivated connecting contact : 12 months
- THT-parts without passivated connecting contact : 6 months
- SMD-parts with passivated connecting contact : 12 months
- SMD-parts without passivated connecting contact : 6 months
- Modular building parts with passivated connecting contact : 12 months
- Modular building parts without passivated connecting contact: 6 months
- SMD parts with gold plating on connecting contact : 6 months

Passivation: Ni-barrier layer

Processing conditions

Validated soldering profiles for reflow- and wave-soldering processes can be found at www.Kaschke.de. Because of the multitude od customer-specific processing conditions and appendices, processing test and , if necessary, upstream conditioning of products are subject to the processor.