



IKT REQUIREMENTS TO RAW MATERIALS SUPPLIED BY CUSTOMERS

If the customers wish to provide their components for the manufacture of electronic assemblies (customer-supplied raw materials and components), they must meet the following requirements:

1. Components must be supplied in their original packaging or in individual packaging for each denomination, containing the full original manufacturer's labeling and data on the quantity of components.

2. All components supplied in tapes must be either in reel(s) or in tape cut(s), each of which must have at least 6 cm of threading tape at the beginning and at the end of the cut, possibly empty. Delivery of SMD components "in bulk" is not acceptable.

3. The packaging of electronic components should not have mechanical damage, such as deformation of tapes, peeling of packaging films, damage to trays or tubular containers, etc.

4. Moisture sensitive electronic components must be supplied in accordance with the requirements of IPC / JEDEC J-STD-033D.

5. Static electricity sensitive electronic components must be supplied in ESD packaging.

6. Semiconductor components must be supplied with extra quantity of components for attrition due to losses during automated assembly process:

- 0,1% of the total amount (but not less than 2 pcs.) – for components in case larger or equal to TSOP8.

- 0,5% of the total quantity (but not less than 5 pcs.) – for components in cases less than or equal to TSOP8.

7. Passive components must be supplied with extra quantity of components for attrition:

- 0,5% of the total quantity (but not less than 10 pcs.) – for components in cases larger than or equal to 0603;

- 1% of the total quantity (but not less than 20 pcs.) – for components in cases smaller than 0603.

Extra quantity of components for possible defects during transportation and technological damage to such components as ferrites, transformers, etc., having external ceramic, ferrite, glass cases (shells, frames, protruding parts) must be agreed with the IKT manager separately for each case.

8. If, at the request of the customer, the assembly of products is divided into several batches, then the extra attrition components must be provided for each batch.

9. Group of companies IKT reserves the right to revise the batch manufacturing cost if raw materials are supplied by the customer without extra quantity of components for attrition.

10. Customer-supplied raw materials and components are transferred with the obligatory provision of:

a) BOM file of the product (see IKT REQUIREMENTS TO CUSTOMERS DOCUMENTATION);

b) acceptance register containing information from the corresponding BOM file(s). The key (mandatory) fields are:

- Part Number - the name of the component, according to the BOM. The PNs of the components in the acceptance register must exactly match the corresponding PNs in the BOM file(s).

- Quantity per batch - the quantity transferred for the production of a specific batch (excluding extra quantity of components for attrition).

- Quantity after assembly, forecast - predicted remainder after assembly of a specific batch (minus excluding extra quantity of components for attrition).

Additional requirements for components, as well as changes in the requirements set out above, are discussed between IKT and the customer on an individual basis.