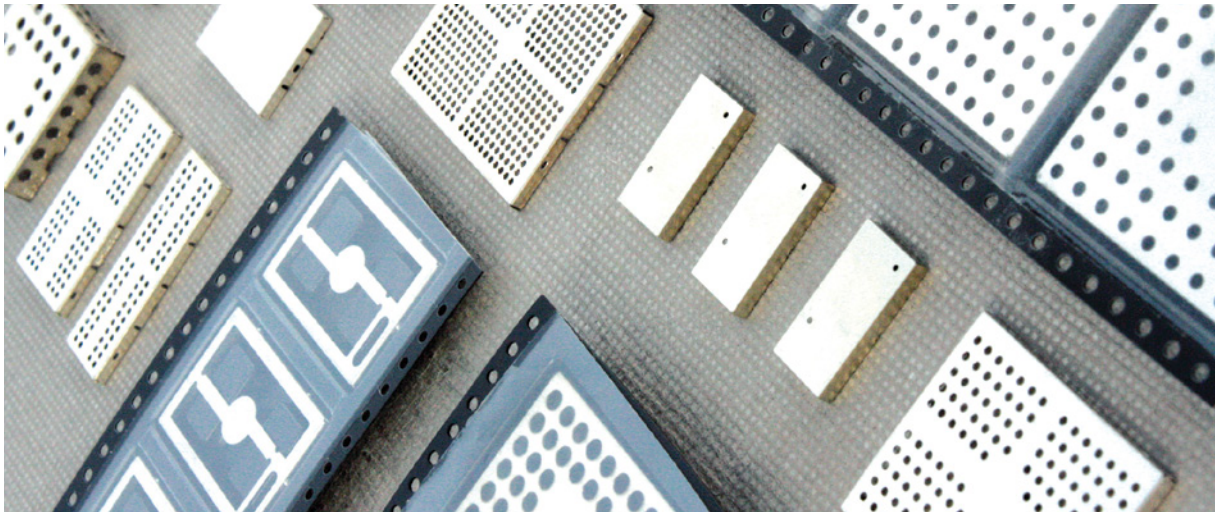
Kemtron
Proven EMC Shielding Performance

Board Level Shielding Cans



Product Overview

Custom designed shielding cans are manufactured by photo etching or pressing thin metal sheet, which is then folded and soldered or tabbed to form the shielding can. Cans can have a removable or a fixed integral lid and they are then mounted on a PCB covering single or multiple components to provide excellent EMI/RFI shielding.

Application

PC board screening cans present an effective solution to the isolation of board level components and can provide individual or multi-cavity shielding over components on a PCB.

Availability

Bespoke cans can be produced quickly to suit particular applications and provide a more effective solution than a standard product.

Photo Etching is a flexible process offering a cost effective product with quick turn round times.

Cans be supplied flat for self folding with etched fold lines or ready folded.

Stamping and pressing is a more expensive process due to tooling costs but offers high volume capability with low unit costs and are only available ready folded

- Cans be produced with solid tops or with removable fingered lids for component access.
- Cans can be supplied to suit through hole or surface mount assembly.
- Internal dividers can be added to most designs.
- Ventilation and access holes can be incorporated in both lids and fences.
- Smaller cans can be supplied tape and reeled for automated assembly.
- A wide range of materials and finishes are available, including non ferrous metals such as phosphor-bronze and beryllium copper and tin, nickel and tin/lead plating finishes.

Design Considerations

Factors such as size, volume, assembly technique, accessibility of components etc will dictate the design suited to a particular application but careful consideration should be given when choosing the required material:

- Low frequency applications such as transformers, coils etc should use a high permeability material such as steel or nickel iron.
- High frequency applications such as microprocessors, fast switching devices, switched mode power supplies should use non-ferrous materials.

Production Capabilities

Kemtron has considerable experience in the design, manufacture and testing of a wide range of shielding products and is able to help customers find solutions to their shielding requirements.

Specifications

As cans are custom designed please contact our sales department to discuss your requirements. We will need a drawing or specification giving overall dimensions, type of material, plating, through hole/surface mount configurations, quantity, tolerances, packaging and any special requirements.

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Notice

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