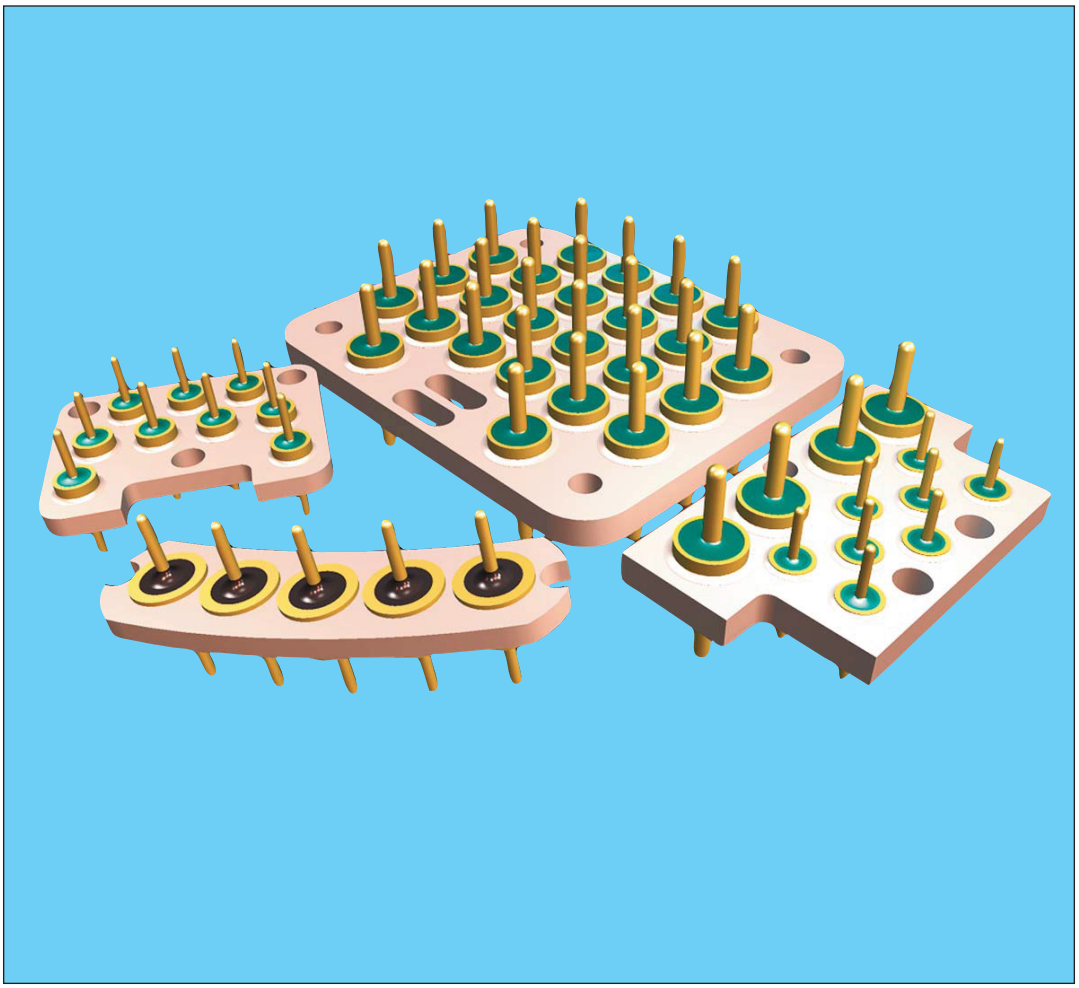

KYOCERA AVX solder-in style filters are designed to be soldered into bulkheads, plates, and/or assemblies similar to those depicted in the photograph above. KYOCERA AVX Filters will design and fabricate bracket arrays to your specific requirements or Source Control Drawing.

The mechanical stress and extreme temperatures encountered by the filters during installation into assemblies is normally the harshest environment they will experience during the life of a system.

If you are buying the discrete filters and doing the installation in house you should seriously consider:

- How much is it costing you to purchase burned-in and fully tested filters only to damage them during the installation procedure?
- How much is it costing you to test for component integrity after installation?
- How much is it costing you to rework damaged filter assemblies at your labor rates and overhead?
- How much is it costing you to contend with low assembly yields?
- How much is it costing you to inventory a larger number of line items than necessary?

KYOCERA AVX Filters will design and fabricate filter brackets:

- To your specific requirements.
- 100% tested and burned-in prior to delivery.
- Which utilize the superior solder-in style filters (Series ZZ, ZS, XS, WS) capable of withstanding installation temperatures up to 300°C, or
- Which utilize the new hermetic solder-in when harsh environments or other requirements call for true hermetic components.

A custom designed filter bracket will help:

- To reduce your yield losses.
- To eliminate filter rework in assemblies.
- To reduce system assembly costs.
- To minimize your inventory.

For additional information on filter brackets or design assistance, contact the KYOCERA AVX Filters Application Engineering Department.

SPECIFICATIONS AND CAPABILITIES

Size:
Basically unlimited. The physical size is determined by the quantity and style (WS, YS, etc.) of filters selected.

Construction:
Hand fabricated or machined metallic (steel, brass, aluminum, or other alloys) bracket.

Finish Options:
The bracket can be electro-tin plated, gold plated, anodized, chem film, painted, or as specified by the customer.

The individual filter terminals can be gold plated or solder coated.

Electrical Characteristics:
The following electrical parameters are governed by the individual types of filters selected or as dictated by the customer's Source Control Drawing or specific application.

- Voltage Rating
- Current Rating
- Insulation Resistance
- DWV
- DC Resistance
- Insertion Loss
- Operating Temperature

Discrete Components:
The number of components, individual circuits, can range from 2 to 200 filters of different styles and/or electrical characteristics (WS, YS, etc.) and can be combined to form a single custom assembly.

Discrete Component Testing:
QPL and/or QPL equivalents can be utilized.

Discoidal capacitors can be designed and tested to the requirements of MIL-C-123.

The individual filters can be specified with MIL-F-15733, KYOCERA AVX Filters Level R, MIL-F-28861 Class B or Class S reliability levels (see Reliability section of catalog for description) or as dictated by the customer's Source Control Drawing or specific application.

Bracket Assembly:
The complete bracket assembly can be tested to similar requirements as the individual filters.

Hermeticity:
Some brackets are more cost effective and volumetrically efficient as non-hermetic assemblies where application allows.

Most brackets can be manufactured to provide a hermetic barrier (glass-to-metal seal) on one side of the assembly.

There are true hermetic brackets, glass-to-metal seals on both sides available, but only in a capacitive circuit.

Installation Temperature:
Filter bracket assemblies are capable of withstanding installation temperatures up to 300°C.

Additional Assembly Operations:
Wiring harnesses or flex cables can be attached to the complete assembly and completely tested prior to delivery.

Environmental Considerations:
Capable of meeting the applicable portions of MIL-STD-202 and MIL-STD-810.