



When designing housings with soldered feedthru seals it is wise to utilize standard feedthrus. While all sorts of special feedthrus may be readily available at time of prototyping and/or initial production, there is no assurance such feedthrus will be readily available at time of re-order for production.

Feedthrus with body sizes identified by the manufacturer to be standard parts should have an assured availability for the foreseeable future. This should be verified with the part supplier.

To be avoided are feedthrus with odd, special body lengths and/or diameters. This is not to say that there are not occasions when a special feedthru is the only or best overall solution. In such cases, an understanding should be reached with the supplier to assure required availability in the future.

Use of non-standard parts can also produce ripple effects such as a need for a special solder preform, unpredictable meniscus or detrimentally high glass stress, which might lead to delivery or performance problems.

The key to a successful program is to understand all the risks going in so that the optimum result is achieved on schedule. SHP is a company that routinely supplies that advice without charge.