



**SPECIAL HERMETIC PRODUCTS, INC.**

*Hi-Rel By Design*

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**Design & Process Guidelines**

**GUIDE# 7**

**Gold Embrittlement**

In certain cases, gold embrittlement may be a threat to the reliability of any glass seal design utilizing tin based solders. This is a fact that all package designers should keep in mind.

Analyzing the design for acceptability can be a complex process. However, SHP has developed methods to quickly identify such problem areas and provide effective solutions to preclude such problems. These solutions are easily specified and verifiable to provide predictable results.

Contact us for free guidance during package design or for consultation when encountering solder failure problems.