

Case Study

OEM – Aerospace Industry

Technical situation

Customer is a large OEM specializing in satellite design and manufacture. Satellites are designed for geosynchronous orbit and long term duty cycles. Customer contacted PRS with a need to reduce “Tin Whisker” threats on their electronic space satellite componentry and systems for deep space aircraft. PRS provided a “Private Label Material” specially developed to suppress and in certain cases eliminate tin whisker growth.

Solution

Subsequent to customer application of PRS Kryptos-17 potting compound and post qualification testing, the customer reported no signs of tin whisker growth and an actual improvement in printed circuit board performance as Kryptos-17 provided a heat dissipative collateral benefit.

Benefits

Customer is now using Kryptos-17 for tin whisker mitigation for satellite applications. Due to the success in qualification testing customer’s engineering department has determined Kryptos-17 should be applied to all printed circuit boards as a “ruggedization” solution for their entire electronics suite.