

**N4380-13 RF**

**Application  
Bulletin-  
UL Approval**

# **UL Approval for N4380-13 RF**

April 27, 2004

## **Scope**

**This bulletin describes the UL approval status for N4380-13 RF as of the date given above. Revisions to this document will be issued as necessary to reflect further UL approvals.**

## **Status**

On April 12, 2004 Park Electrochemical announced the commercialization of our new N4380-13 RF microwave performance epoxy material system. This laminate material is now available through Park's Neltec business unit in Tempe, Arizona.

This material meets the required UL criteria for a 94 V-0 flame rating and falls within the Nelco N4<sup>^^</sup>-13 RF classification as described in UL 746E 5.6.

If a PWB fabrication site would like to add N4<sup>^^</sup>-13 RF to a pure package or mixed dielectric with a 94 V-0 flame rating, the site would be required to submit samples to UL for Flammability and Bond Strength / Delamination testing in order to add the package with full recognition status.

If a PWB fabricator site already has the Nelco N4103-13 (Product name N4000-13) listed in their file, no additional testing is required by UL. The PWB fabricator will only need to notify UL and request the N4<sup>^^</sup>-13 RF designation be added to their UL file. to begin using the N4380-13 RF laminate system.