AVOIDING DELAYS FOR NRTLs TESTING AND CERTIFICATION

by Homi Ahmadi May 25, 2011

3 Critical Steps

- Explaining the project clearly from the beginning
- Preparing all required samples and hardware
- > Providing all necessary documentation

Explaining the project clearly from the beginning

- > Discuss the details of the project with the sales/account manager.
- Clearly explain the end use to establish the correct standard or category.
- Follow up with an e-mail.
- Is IPI needed?
- If possible, request the project to be done locally.
- > Obtain accurate quotes and ECD.
- Obtain the complete shopping list from NRTL.
- > Spend extra time on the list at the beginning. This will pay off in the long run.

Preparing all required samples and hardware

- Are all samples, cables, loads, accessories, and support equipment ready?
- > Check and test all samples prior to shipping.

Providing all necessary documentation

Typical required documents include:

- List of all models
- Differences/similarities between models
- Product specifications/marketing documents
- User manual
- Label(s) artwork
- Schematics
- Board layout
- Voltage map (where possible)
- > Magnetic drawings
- > Mechanical drawings
- > LCC
- > IEC/UL/CSA certifications
- > Letter of assurance
- > RoHS certification
- > Photos

Points of Note

- Incomplete LCCs are where most delays occur.
- Use the NRTL format for LCC.
- > Fill out the form as completely as possible.
- > UL/CSA and IEC certifications are a must.
- Check all certifications for correct standards.
- > Check all certifications for expiration date.
- > Ensure certifications show the exact type number.
- > Check magnetic drawing for accuracy against IS.
- Ensure magnetic Insulation System is in-line with heating results and Tmra.

Summary

- Main key factor to a pain-free certification is early construction review and pre-test.
- > If unsure, open a preliminary project at NRTL.