

June 3, 2025

RFPD Richardson, Inc.
2001 Butterfield Road, Suite 1800
Downers Grove, Illinois 60515

ATTN: Quality/Purchasing Manager

Subject: RF Power Transistor Epitaxial Change – Multiple Products

PCN #: PCN-01904

Dear Valued Customer,

MACOM Technology Solutions has a goal of providing redundant manufacturing capability for increased surge capacity as well as an uninterrupted supply chain. MACOM also periodically reviews its manufacturing supply chain with a goal towards continually improving its cycle time and manufacturability. Towards those ends, we would like to inform you of the following change:

- 1) MACOM has qualified the epitaxial material used to manufacture the products listed below from existing material stock grown at Nitronex LLC to IQE (.please note that Nitronex LLC was purchased by MACOM in 2014). This change was completed to make certain that, as the original epitaxial material depletes, MACOM can continue to provide these products across our customer base; as a result, there is a minor decrease in the nominal gate threshold voltage from an original typical value of ~-1.5V to ~-2.0V. All other RF and DC parameters remain similar and within the datasheet specification.
- 2) The above epitaxial source transition will occur during CY2023-2025. MACOM has completed qualification testing and, other than the minimal voltage change referenced above (still datasheet compliant), electrical performance incorporating these changes, compared to previous material (using Nitronex epitaxial material) is 100% form, fit and function equivalent.
- 3) Unfortunately, MACOM cannot support a “last time buy” using the original epitaxial material.

Impacted Part Numbers
NPT25015D
NPT25015DR
NPT35015D

Thank you in advance for your review of this PCN. If you have questions regarding this subject, please contact me.

Sincerely,

Greg French
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