



# PRODUCT / PROCESS CHANGE NOTIFICATION

100 Douglas Avenue  
Yankton, SD 57078

Preliminary    
Projected Completion Date: \_\_\_\_\_

Final

Notification Date: **05/23/05**

PCN Number : **10074**

**Product Identification (Including Customer P/N):**

9x14 ceramic surface mount products including the following families: M3V, MPV3(J), MVS, M5R(J), M7S, and M8S.

**Detailed Description of Changes:**

The solder used internally in the 9x14 oscillator for chip component mount will be replaced with conductive epoxy. A "-R" is being added to the end of the part number to indicate RoHS compliance.

**Reason for Changes:**

The change allows the 9x14 ceramic SMT parts to be reflowed at a peak temperature of 260C at a customer's location and to be compliant with RoHS requirements.

**Projected Timing of Change and Implementation Date:**

MtronPTI expects to have a RoHS and 260C version of these products available as of June 1, 2005. All products, unless specifically ordered in a non-RoHS compliant version will have been converted no later than December 31, 2005. During this transition time, both versions may be supplied in order to deplete inventories. The RoHS compliant version will be marked with the "-R" in the part number and the marking on the product.

**Anticipated Impact on Quality and Reliability:**

Conductive epoxy has been used on similar 9x14 ceramic SMT oscillator families including K1526C, K1526D, K1536C along with all 5x7 ceramic SMT oscillators. These oscillators have demonstrated excellent reliability.

**Qualification Plan (if applicable):**

As stated above, MtronPTI has experience with this construction. Additional 260C reflow testing will be done along with thermocycling and high temperature operating life.

**Last Time Buy Date:**

Non-RoHS compliant versions may be available for shipment up to December 31, 2005 unless specific arrangements have been made with MtronPTI. On-going demand for non-RoHS compliant products may be available after December 31, 2005 on a custom part number basis. Contact MtronPTI to determine non-RoHS availability and subsequent custom part number.

**Last Time Delivery Date and Comments (if applicable):**

MtronPTI Engineering: Joe Doyle Date: 2/25/2005

MtronPTI Apps. Eng'r.: Bill Jannewein Date: 2/25/2005

MtronPTI Sales or Designate: Dick Thompson Date: 5/10/2005

MtronPTI Operations: Greg Anderson Date: 2/25/2005

MtronPTI Quality Assurance: JKocak Date: 2/25/2005

**CUSTOMER ACKNOWLEDGMENT OF RECEIPT / APPROVAL:**

This PCN will be considered acceptable and become effective on the date shown if no feedback is received within 30 days of notification denoted above.

Please return this signed document to:  
MtronPTI, 100 Douglas Ave., Yankton, SD, 57078 or email to [pcn@mtronpti.com](mailto:pcn@mtronpti.com)

**ACKNOWLEDGMENT / APPROVAL:**

Signature: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_