

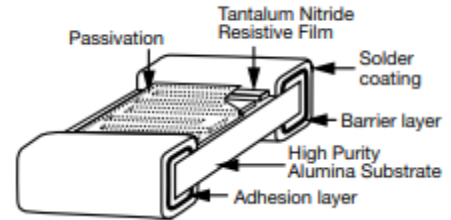


Product Change Notification

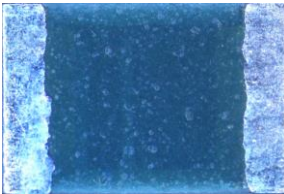


PNM – Precision Thin Film Non-Magnetic Resistor Surface Mount Chip

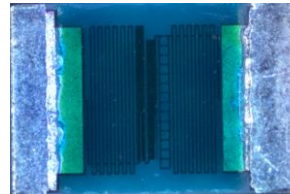
DESCRIPTION OF CHANGE: Vishay Dale Thin Film is replacing the electroless nickel barrier layer with copper in the termination (no change to solder composition) and implementing the use of a new mechanical protective layer on its' PNM non-magnetic chip resistor product line. The new mechanical protective layer is the same material used on Vishay Thin Film's established reliability, E/H military qualified product. Product will continue to ship with the existing termination and mechanical protective layer until existing inventory is depleted.



Comparison in the change of the mechanical protective layer:



PTN2512 - New Mechanical Protective Layer
Dark Green Opaque



PTN2512 - Previous Mechanical Protective Layer
Dark Green Translucent

CLASSIFICATION OF CHANGE: Material Change

REASON FOR CHANGE: Changes will improve manufacturability and reliability.

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE: No change to reliability and/or performance. Due to the copper in the barrier layer, this product is no longer sulfur resistant.

PRODUCT CATEGORY: Resistors

PART NUMBERS/SERIES/FAMILIES AFFECTED: PNM (no change to Vishay Global part numbering)

VISHAY BRAND(s): Vishay Dale Thin Film

TIME SCHEDULE:

Start Shipment Date: November 19, 2018

Last Time Buy Date: Not Applicable

Last Time Shipment Date: Not Applicable

SAMPLE AVAILABILITY: Not Applicable

PRODUCT IDENTIFICATION: PNM

QUALIFICATION DATA: Available upon request

ISSUED BY: Bill Cuvillo, Sr. Product Marketing Manager, Vishay Dale Thin Film,
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