



# Product Change Notification



## Change in Resistor Ink Properties (10ohm to 1Meg Ohm Resistance Range)

**DESCRIPTION OF CHANGE:** Vishay Dale Thin Film is changing the properties of the resistor ink used to manufacture thick film surface mount chip resistors ranging in value from 10 ohm to 1 Meg ohm. This ink change involves a tailoring of the particle size distribution of one of the ink components of the DuPont 00X0A ink, without changing the proportion of the components, in order to improve the TCR characteristics. This change will thus reclassify this ink from the 00X0A ink to an 00X0V ink.

Even though this change is determined to be minor, qualification testing was performed according to MIL-PRF-55342 requirements. As part of this testing, Resistance to Solder Heat; Resistance Temperature Characteristic; Low Temperature Operation; Short Time Overload; High Temperature Exposure and Load Life was performed. The military thick film, RM0603, RM1206, and RM2512 styles with low, critical, and high values to qualify all styles were selected as detailed in the MIL-PRF-55342 specification.

**CLASSIFICATION OF CHANGE:** Material – Change in material properties (tuning within specification)

**REASON FOR CHANGE:** To improve manufacturability of this product.

**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** No change in fit, function, quality, reliability, or performance.

**PRODUCT CATAGORY:** Resistors

**PART NUMBERS/SERIES/FAMILIES AFFECTED:** High Reliability Thick Film Resistor, Surface Mount Chip

**VISHAY BRAND(s):** Vishay Dale Thin Film

**TIME SCHEDULE:**

Start Shipment Date: November 28, 2016

Last Time Buy Date: October 28, 2016

Last Time Shipment Date: November 23, 2016

(Note: The above dates are subject to change based on order volume.)

**SAMPLE AVAILABILITY:** October 28, 2016

**PRODUCT IDENTIFICATION:** By Product Date Code

**QUALIFICATION DATA:** Qualification data package available upon request.

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