



# Product Change Notification



Product Group: Dale Resistors / January 20, 2020 / PCN-DR-00003-2020 Rev 0

## WSL0603/WSL0603-18/WSLP0603

**DESCRIPTION OF CHANGE:** WSLx0603 product termination will change from a copper clad technology to a welded copper technology. This change will conform the 0603 size to the other WSLx sizes which currently use a welded copper terminal. This change will slightly effect the TCR for 10mΩ to 49mΩ values and height dimension for all values which will be 0.016"±0.005" starting with date code 2016. Previous dimension was 0.013"±0.005"

**CLASSIFICATION OF CHANGE:** Product Structure

**REASON FOR CHANGE:** The construction of the WSLx0603 terminal bonding to the resistance element will be changed from a copper clad to a welded copper terminal. This allows for overall better performance and utilization of internal processing to be able to better support market demand and reduce lead times.

**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** Product height (H) dimension change to: 0.016"±0.005 Temperature coefficient of resistance (TCR) for resistance values from 10mΩ to 49mΩ will change from ±75ppm/°C to ±110ppm/°C for temperature range from -55°C to +25°C. For other values and temperature ranges the TCR will remain unchanged at ±75ppm/°C.

**PRODUCT CATEGORY:** Resistors, Discrete

**PART NUMBERS/SERIES/FAMILIES AFFECTED:**

WSL0603xxxxxFyy, WSL0603xxxxxFyy18, WSLP0603xxxxxFyy where xxxxx represents the resistance value code and yy represents the package code.

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

**TIME SCHEDULE:**

Start Shipment Date: May 18<sup>th</sup> 2020 (Week 21)  
Last Time Buy Date: Not Applicable  
Last Time Shipment Date: Not Applicable

**SAMPLE AVAILABILITY:** If customer converts to alternate product; samples will be available by April 13<sup>th</sup> 2020 in limited quantity.

**PRODUCT IDENTIFICATION:** Date Code On or After Week 16 2020 Labeled As 2016 Date Code Format (yyww)

**QUALIFICATION DATA:** Qualification data available by request, Full PPAP available by February 28<sup>th</sup> 2020.

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before March 30th, 2020 or as specified by contract.**

**ISSUED BY:** Mitch Hansen, Sr. Director Product Marketing, Mitch.Hansen@vishay.com

**For further information, please contact your regional Vishay office.**

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