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WSK1216 - Laser Ablation (0.0005 ohm only)

For further information, please contact your regional Vishay office.

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Description of Change: Revision of the resistive element trimming process from laser cut to value to a machine punch to value and surface ablation to tolerance process. This will only affect the single resistance value of 0.0005 ohm.

Classification of Change: To improve manufacturability to increase production capacity.

Expected Influence on Quality/Reliability/Performance: No change to Fit or Function. Minor impact to Form. No change to footprint.

Part Numbers/Series/Families Affected: WSK1216L5000*

Vishay Brand(S): Vishay Dale

Time Schedule:

Start Shipment Date: Mon Jan 30, 2023

Sample Availability: Samples available upon request

Product Identification: Product will be identifiable by difference in construction. (refer to Fast Facts document for additional detail)

Qualification Data: Available

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Wed Feb 15, 2023 or as specified by contract.

Issued By: Bryan Yarborough, bryan.yarborough@vishay.com



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The current process uses a punched feature located at the bottom portion of Figure 1 (red arrow) for TCR adjustment and a laser cut to trim to value and tolerance. The revised process will use the same TCR adjustment punched feature and will revise the laser cut to a punched feature in Figure 2 (green arrow of Top side). Fine adjustments to resistance tolerance will be performed with a laser ablation process in Figure 2 (green arrow of Bottom side). This will be visually different by a darker color.

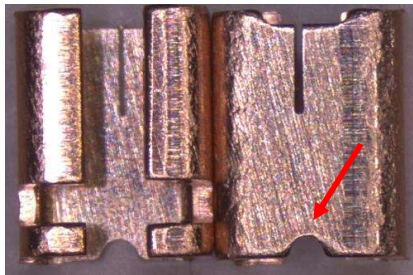


Figure 1 – Current Process

Bottom Top

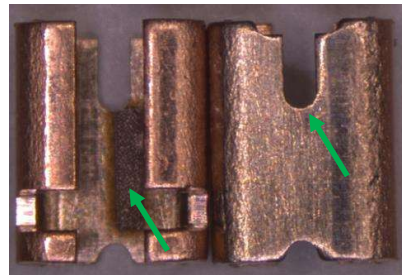


Figure 2 Laser Ablation

Bottom Top

The larger punched coarse trim does not change the electrical performance, but will enable easier automated optical inspection to resolve the orientation of the part on the board with a larger and more visible feature.

This change is expected to go into effect beginning with shipments on February 1, 2023, with date code 2309.

A version of the PCN is available for download at <https://www.vishay.com/en/quality/pcn-search/>.

Samples available upon request at <https://www.vishay.com/en/product/30189/tab/request-sample/>

Contact Information



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Fast Facts



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