



Vishay Dale Thin Film Resistors
2160 Liberty Drive
Niagara Falls, NY 14304

30 April 2018

RE: PCNM WRAP METALLIZATION CHANGE

Dear Digi-Key Corporation,

As you may be aware, we have had a production hold on our PCNM family of products since late 2017. This hold was due to an unacceptable level of yield fall due to missing metal on the wrap. This yield loss meant that the costs to build the product were unacceptably high and the variation in yield made meeting delivery commitments very difficult.

Our engineering team has made a change to the metallization on the wrap to address this yield issue. Qualification of the new metal system is complete and future shipments will be made with this construction.

The original construction was electroless nickel with a hot solder dip.

The new construction is an electrolytic copper with a gold flash with a hot solder dip.

This letter serves as notification that your purchase orders per attached will be fulfilled using the new metallization construction. The solder composition has not changed.

Please acknowledge your acceptance of this change by returning this signed letter or otherwise notifying your customer service representative. Once you have responded to this letter we will notify you of your shipment date.

Please let me know if you have any questions or concerns. A copy of the qualification documents are available by request.

Best regards,

A handwritten signature in black ink that reads "Molly Olver". The signature is written in a cursive, flowing style.

Molly Olver
Director of Marketing
Vishay Dale Thin Film Products

Vishay Dale Resistors