

Reference: QOD-510



## Product/Process Change Notification

# Moisture Barrier Bags Shipment Introduction in Ta SMD MnO<sub>2</sub> CWRs / High Reliability COTS Series

<b>Date:</b> 12/21/15	<b>ID Number (MMDDYY):</b> PCN-120715-UMQ
<b>Affected Products</b>	<p>All KEMET Surface Mount Tantalum Capacitors Mil-PRF (CWR) and High Reliability COTS Series described below:</p> <p>High Reliability (Hi-Rel) Commercial Off-The-Shelf (COTS) Series</p> <ul style="list-style-type: none"> <li>• T428 - COTS Series High Volumetric Facedown</li> <li>• T493 - COTS Military/Aerospace</li> <li>• T495 –COTS Surge Robust Series, DLA (DSCC) 95158</li> <li>• T496 –COTS Hi-Rel Fused, DLA (DSCC) 04053</li> <li>• T497 - COTS High Grade</li> </ul> <p>MIL- PRF (CWR) Series</p> <ul style="list-style-type: none"> <li>• T409 CWR09 Style MIL-PRF-55365/4</li> <li>• T419 CWR19 Style MIL-PRF-55365/11</li> <li>• T429 CWR29 Style MIL-PRF-55365/11</li> <li>• T492 CWR11 Style MIL-PRF-55365/8</li> </ul>



Reference: QOD-510

<p><b>Change</b></p>	<p>KEMET will begin shipping our MIL-PRF-55365 products and Military Equivalent Products including our T493, T497 and T513 COTS and DSCC Drawing 95158 T495 Series and DLA Drawing 04053 T496 Series in moisture resistant bags. This will improve service to our customers by alleviating the potential for long term exposure to high humidity conditions during shipping and storage.</p> <p>KEMET's present shipping method consist of reels inside carton boxes. The new condition places reels inside sealed Moisture Barrier Bags (MBB), with Desiccant and Humidity Indicator Cards (HIC).</p> <div style="display: flex; justify-content: space-around; text-align: center;"> <div data-bbox="565 562 643 592"> <p>Before</p>  </div> <div data-bbox="1149 562 1208 592"> <p>After</p>  </div> </div>
<p><b>Justification and Benefits</b></p>	<p>The MBB package and shipment will improve our customer service by mitigating the risk associated with long term exposure to high humidity conditions during shipping and storage.</p> <p>This change does not affect the MSL 1 level for these components (per J-STD-020D)</p> <p>Recommended storage conditions :</p> <ul style="list-style-type: none"> <li>- Temperature between -10°C and+40°C</li> <li>- Maximum of 60% RH,</li> <li>- Atmospheric pressure between 860mbars and 1060mbars.</li> </ul> <p>Exposure to temperature/humidity in excess of above conditions may affect electrical parameters (leakage current, capacitance, dissipation factor or equivalent series resistance) of encapsulated epoxy capacitors and may result in damage during reflow at board mounting.</p>
<p><b>Effective Date and Identification</b></p>	<p>KEMET will begin immediately shipping its CWR29 Style (T429 series) products with this protective packaging. The other impacted series will be shipped in MBB 90 days after this notification. (March 18<sup>th</sup>, 2016)</p>
<p><b>For General Information Contact</b></p>	<p>Ursula Quezada          PCN Coordinator          KEMET Electronics Corp.          +1 956 548 7308  <a href="mailto:ursulaquezada@kemet.com">ursulaquezada@kemet.com</a></p>

Reference: QOD-510

**KEMET Electronics Corporation Business Confidential:**

**This notification is Business Confidential and should not be reproduced, copied or given to a third party without the express written permission of KEMET Electronics Corporation.**

