



## Resistors Product Change Notification

<b>PCN Number and Title</b>	<b>2013-RBU05:</b> Notification of BI Technologies' Thin Film Test and Packaging Equipment Move from Malaysia to USA		
<b>Notification Launch Date</b>	November 4, 2013		
<b>Type of Change</b>	<input type="checkbox"/> End of Life Notification <input checked="" type="checkbox"/> Manufacturing Facility Change or Addition <input type="checkbox"/> Datasheet Specification Change <input type="checkbox"/> Other: <span style="float: right;"> <input type="checkbox"/> Material Change  <input type="checkbox"/> Process Change  <input type="checkbox"/> Design Change         </span>		
<b>Manufacturing Location(s) Affected</b>	Kuantan, Malaysia and Corpus Christi, TX USA	<b>Date of Change Implementation</b>	December 2013 – January 2014

Products Affected		
Product Family	Datasheet Link(s)	Comment
BI Technologies Thin Film Networks	Datasheets available at <a href="http://www.bitechnologies.com/products/passive.htm">www.bitechnologies.com/products/passive.htm</a>	Standard and Custom Part Numbers are Affected

<b>Description of Change</b>	<p>TT electronics currently performs testing and packaging (placement of finished product into tubes or tape/reel) for BI Technologies thin film resistor networks at our Kuantan, Malaysia facility.</p> <p>The test and tube/reel packaging equipment will be relocated from Malaysia to our thin film manufacturing center in Corpus Christi, TX.</p> <p><b><i>There is no change to form, fit, or function of the finished product as described in the datasheets. This notice is for informational purposes only.</i></b></p> <p>Please note that orders for BI Technologies thin film networks will only be accepted until December 13, 2013 per PCN 20130828.</p>
<b>Reason for Change</b>	As part of TT electronics' long-term strategy, relocation of this equipment enables consolidation of similar resources to maximize operational efficiency for thin film resistor manufacturing.
<b>Implementation Plan</b>	The equipment specified in this product change notification will be moved from Malaysia by the end of 2013. This equipment will resume production in our Corpus Christi facility in January 2014.

<b>Customer Impact</b>	TT electronics does not anticipate any customer impact at this point in time. Should any delays occur, customers will be notified as soon as possible.
<b>Recommendations</b>	N/A
<b>Availability of Previously Manufactured Product</b>	N/A
<b>Sales Contacts</b>	EMEA: Armando Marnati: Armando.Marnati@ttelectronics.com Americas: Mike Graham: Mike.Graham@ttelectronics.com Asia/Pacific: Janson Chuen: Janson.Chuen@ttelectronics.com

<b>Title</b>	<b>Name</b>	<b>Signature / Date</b>
<b>Director of Product Management</b>	Philip Fulmer	<i>Philip Fulmer</i> November 1, 2013
<b>Operations Director</b>	Chuck Stout	<i>Chuck Stout</i> November 1, 2013
<b>Global Sales Director</b>	Klaus Zwerschina	<i>Klaus Zwerschina</i> November 2, 2013
<b>SVP/ General Manager</b>	Gareth Mycock	<i>Gareth Mycock</i> November 4, 2013

**Additional Information:**