

POWEREX® Product Change Notification

QR.....T30 Fast Recovery Diode Module Series To Be Discontinued # : 2015-001 Rev.: 0



Date: 2015 / MAR / 06

Author: Ron Yurko

Subject of Change:

This change affects the products in the QR.....T30 fast recovery diode modules series, which includes the following:
QRC0610T30, QRC0620T30, QRC0630T30, QRC0640T30, QRC1210T30, QRC1220T30, QRC1230T30, QRC1410T30, QRC1415T30, QRC1420T30, QRC1430T30, QRD0610T30, QRD0620T30, QRD0630T30, QRD0640T30, QRD1210T30, QRD1220T30, QRD1230T30, QRD1410T30, QRD1415T30, QRD1420T30, QRD1430T30, QRF0610T30, QRF0620T30, QRF0630T30, QRF0640T30, QRF1210T30, QRF1220T30, QRF1230T30, QRF1410T30, QRF1415T30, QRF1420T30, QRF1430T30, QRS0620T30, QRS0640T30, QRS0680T30, QRS1220T30, QRS1240T30, QRS1260T30, QRS1420T30, QRS1440T30, QRS1460T30

Description of Change:

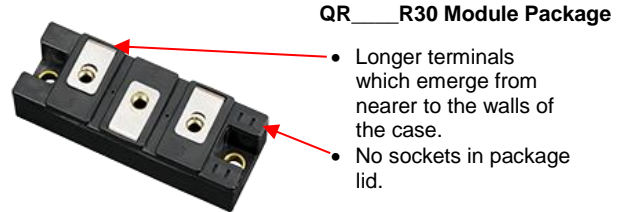
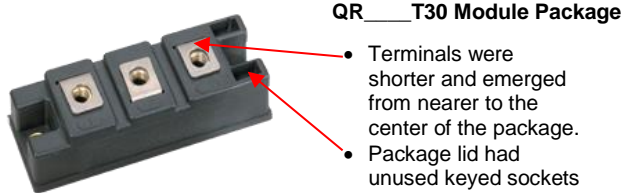
The QR.....T30 fast recovery diode module products will be discontinued.
Powerex recommends that customers that have used those modules to consider using the new QR.....R30 module series for possible replacements.

Reason for Change:

The QR.....T30 fast recovery diode module product line was not compatible with the automated manufacturing process methods that Powerex has developed. The demand for products that were RoHS-compliant also required a change to the design.
The new QR.....R30 fast recovery diode modules are compatible with our automated manufacturing process methods and were designed to be compliant with the RoHS standards.

Identification of Change:

The recommended replacement products are identified with different part numbers than the original modules. The module labels will include the new part numbers which end with the characters "R30" instead of the previous "T30" characters. The recommended replacement modules use a modified package which features longer terminals that extend from a location that is closer to the walls of the case.



Time Schedule for Change: A last-time buy for the QR.....T30 modules will not be offered for quantities less than a minimum of 500 pieces.

Samples for QR.....R30 Modules Begin: Contact Factory

Delivery for QR.....R30 Modules Begins: Contact Factory

Supporting Documentation:

List of recommended replacements for converting QR.....T30 modules to QR.....R30 modules.
Data sheets for QR.....R30 modules are available for download from the Powerex website (www.pwr.com).

Quality Management system:

Product will be validated and screened via the Youngwood, PA ISO 9001 / AS9100 quality system.

Customer Approval for: PCN # 2015-001

- Please check the appropriate box and return this form to Powerex or our manufacturing representative within 30 days.
- According to JEDEC Standard JESD46, a lack of response to this product change notification within 30 days constitutes the customer's acceptance of the change.

We agree with this change and its schedule.

We have objection(s) as noted here:

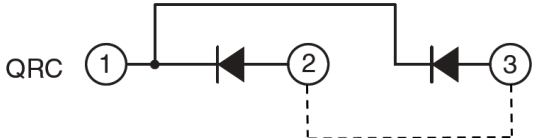
We request additional information:

Customer:

Signature:

POWEREX® Product Change Notification

Recommended Replacements for Discontinued QR...T30 Fast Recovery Diode Modules

Original Part	Voltage (V)	DC Current $T_c=80^\circ\text{C}$ (A)	Recommended Replacement	Voltage (V)	DC Current $T_c=80^\circ\text{C}$ (A)	Notes
QRC0610T30	600	48	QRC0620R30	600	140	Slim package
QRC0620T30	600	98	QRC0620R30	600	140	Slim package
QRC0630T30	600	140	QRC0630R30	600	210	
QRC0640T30	600	195	QRC0640R30	600	280	
QRC1210T30	1200	77	QRC1220R30	1200	140	
QRC1220T30	1200	145	QRC1220R30	1200	140	
QRC1230T30	1200	222	QRC1230R30	1200	210	
QRC1410T30	1400	65	No Replacement			
QRC1415T30	1400	88	No Replacement			
QRC1420T30	1400	125	No Replacement			
QRC1430T30	1400	182	No Replacement			
QRD0610T30	600	48	QRD0620R30	600	140	Slim package
QRD0620T30	600	98	QRD0620R30	600	140	Slim package
QRD0630T30	600	140	QRD0630R30	600	210	
QRD0640T30	600	195	QRD0640R30	600	280	
QRD1210T30	1200	77	QRD1220R30	1200	140	
QRD1220T30	1200	145	QRD1220R30	1200	140	
QRD1230T30	1200	222	QRD1230R30	1200	210	
QRD1410T30	1400	65	No Replacement			
QRD1415T30	1400	88	No Replacement			
QRD1420T30	1400	125	No Replacement			
QRD1430T30	1400	182	No Replacement			
QRF0610T30	600	48	QRF0620R30	600	140	Slim package
QRF0620T30	600	98	QRF0620R30	600	140	Slim package
QRF0630T30	600	140	QRF0630R30	600	210	
QRF0640T30	600	195	QRF0640R30	600	280	
QRF1210T30	1200	77	QRF1220R30	1200	140	
QRF1220T30	1200	145	QRF1220R30	1200	140	
QRF1230T30	1200	222	QRF1230R30	1200	210	
QRF1410T30	1400	65	No Replacement			
QRF1415T30	1400	88	No Replacement			
QRF1420T30	1400	125	No Replacement			
QRF1430T30	1400	182	No Replacement			
QRS0620T30	600	99	*QRC0620R30			<p>* Powerex does not have plans to offer single diode module configurations. The common cathode configured dual diode modules can form a paralleled pair with a nearly similar current rating to the single configurations by connecting the two anode terminals (terminals 2 & 3) with an external busbar (not supplied by Powerex).</p>  <p style="text-align: center;">EXTERNAL BUSBAR CONNECTION (Not Supplied by Powerex)</p>
QRS0640T30	600	186	*QRC0620R30			
QRS0660T30	600	282	*QRC0630R30			
QRS0680T30	600	384	*QRC0640R30			
QRS1220T30	1200	133	*QRC1220R30			
QRS1240T30	1200	268	*QRC1220R30			
QRS1260T30	1200	388	*QRC1230R30			
QRS1420T30	1400	126	No Replacement			
QRS1440T30	1400	246	No Replacement			
QRS1460T30	1400	373	No Replacement			