



RoHS Certificate Of Compliance

Product Number	Exemptions	Effective Date	Battery Type (Qty)	Battery Chemistry
See Page 2				

This 'Certificate of Compliance' warrants that the product identified above, (and all spares, features and FRUs associated with referenced product) are manufactured in compliance with the Restriction of Hazardous Substances (RoHS), Directive 2011/65/EU. The RoHS Directive restricts the use of certain substances in electronic products; including certain allowable exemptions as noted.

☐ Allowable Exemptions:

- ☒ 6a - Lead as an alloying element in steel containing up to 0.35% lead by weight.
- ☐ 6b - Lead as an alloying element in aluminum containing up to 0.4% lead by weight.
- ☒ 6c - Lead as an alloying element in copper containing up to 4% lead by weight.
- ☒ 7a - Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).
- 7b - Lead in solders for servers, storage and storage array systems, network infrastructure
- ☒ equipment for switching, signalling, transmission as well as network management for telecommunications. This applies only to Ball Grid Array (BGA) components.
- 7cI - Electrical and electronic components containing lead in a glass or ceramic other than
- ☒ dielectric ceramic in capacitors, e.g. piezoelectric devices, or in a glass or ceramic matrix compound
- ☐ 7cII - Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher
- ☐ 7cIII - Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC.
- 7cIV - Lead in PZT (Lead Zirconate Titanate) ceramic materials for capacitors being part
- ☐ of integrated circuits or discrete semiconductors. Please note all other ceramic materials containing Pb used in these applications are forbidden.
- ☐ 11b - Lead used in other than C-press compliant pin connector systems
- ☒ 13a - Lead in white glass used for optical applications.
- ☒ 15 - Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages

Comments (if applicable):

- Exemption 13a applies only to products shipped with optical transceivers.
- * "B" Products claiming exemption 15 are expected to qualify for exemption extension.
- LiCF battery Chemistry Lithium Carbon Monofluoride. Battery weight is 0.8 g each.

Signature (handwritten or electronic signature):

Printed Name: Thomas Jones

Title: Environmental Compliance Engineer

Date: 08/21/2017

Contact Phone Number: 720-558-4039

Contact Email Address: tejones@brocade.com

Product Number	Exemptions	Effective Date	Battery Type (Qty)	Battery Chemistry
BR-310-0004	6a, 6c, 7a, 7b, 7cI, 13a, 15	02/13/2012	BR1225 (1)	LiCF
BR-310-0008	6a, 6c, 7a, 7b, 7cI, 13a, 15	02/13/2012	BR1225 (1)	LiCF
BR-310-B-0008	6a, 6c, 7a, 7cI, 13a	06/10/2015 (1 st Production)	BR1225 (1)	LiCF
BR-320-0004	6a, 6c, 7a, 7b, 7cI, 13a, 15	02/13/2012	BR1225 (1)	LiCF
BR-320-0008	6a, 6c, 7a, 7b, 7cI, 13a, 15	02/13/2012	BR1225 (1)	LiCF
BR-320-B-0008	6a, 6c, 7a, 7cI, 13a	06/10/2015 (1 st Production)	BR1225 (1)	LiCF
BR-340-0004	6a, 6c, 7a, 7b, 7cI, 13a, 15	02/13/2012	BR1225 (1)	LiCF
BR-340-0008	6a, 6c, 7a, 7b, 7cI, 13a, 15	02/13/2012	BR1225 (1)	LiCF
BR-340-B-0008	6a, 6c, 7a, 7cI, 13a	06/10/2015 (1 st Production)	BR1225 (1)	LiCF
BR-360-0004	6a, 6c, 7a, 7b, 7cI, 13a, 15	02/13/2012	BR1225 (1)	LiCF
BR-360-0008	6a, 6c, 7a, 7b, 7cI, 13a, 15	02/13/2012	BR1225 (1)	LiCF
BR-360-1008	6a, 6c, 7a, 7b, 7cI, 13a, 15	02/13/2012	BR1225 (1)	LiCF
BR-360-B-0008	6a, 6c, 7a, 7cI, 13a	06/10/2015 (1 st Production)	BR1225 (1)	LiCF
BR-360-B-1008	6a, 6c, 7a, 7cI, 13a	06/10/2015 (1 st Production)	BR1225 (1)	LiCF
XBR-310-0000	6a, 6c, 7a, 7b, 7cI, 15	02/13/2012	BR1225 (1)	LiCF
XBR-310-B-0000	6a, 6c, 7a, 7cI	06/10/2015 (1 st Production)	BR1225 (1)	LiCF
XBR-320-0000	6a, 6c, 7a, 7b, 7cI, 15	02/13/2012	BR1225 (1)	LiCF
XBR-320-B-0000	6a, 6c, 7a, 7cI	06/10/2015 (1 st Production)	BR1225 (1)	LiCF
XBR-340-0000	6a, 6c, 7a, 7b, 7cI, 15	02/13/2012	BR1225 (1)	LiCF
XBR-340-B-0000	6a, 6c, 7a, 7cI	06/10/2015 (1 st Production)	BR1225 (1)	LiCF
XBR-360-0000	6a, 6c, 7a, 7b, 7cI, 15	02/13/2012	BR1225 (1)	LiCF
XBR-360-B-0000	6a, 6c, 7a, 7cI	06/10/2015 (1 st Production)	BR1225 (1)	LiCF
XBR-000139	7cI, 13a	1st Production	NA	NA
XBR-000141	7cI	03/05/2012	NA	NA
XBR-000142	6c, 7cI, 13a	1st Production	NA	NA
XBR-000143	6c, 7cI, 13a	1st Production	NA	NA
XBR-000144	6a, 7cI, 13a	1st Production	NA	NA
XBR-000146	6a, 7cI, 13a	1st Production	NA	NA
XBR-000147	7cI, 13a	11/30/2012	NA	NA
XBR-000148	7cI, 13a	01/12/2011	NA	NA
XBR-000153	7cI, 13a	4/16/2012	NA	NA
XBR-000157	6a, 6c, 7cI, 13a	01/02/2011	NA	NA
XBR-000158	7cI	03/05/2012	NA	NA
XBR-000159	7cI, 13a	04/15/2008	NA	NA
XBR-000163	7cI, 13a	1st Production	NA	NA
XBR-000164	7cI, 13a	1st Production	NA	NA
XBR-000165	Compliant w/out exemption	1st Production	NA	NA
XBR-000172	7cI, 13a	4/16/2012	NA	NA
XBR-000174	7cI	1st Production	NA	NA
XBR-DCX-0131	7cI	01/04/2012	NA	NA
XBR-R000030	Compliant w/out exemption	1st Production	NA	NA
XBR-R000070	TBD	1st Production	NA	NA
XBR-R000162	Compliant w/out exemption	1st Production	NA	NA
XBR-SMEDPOD4-01	7cI	03/05/2012	NA	NA
XBR-SMEDPOD8-01	7cI, 13a	1st Production	NA	NA