

Product Change/Obsolescence Notification

MAGNETIC PRODUCTS



April, 2014 - Revised July 14, 2014

Bourns® Model PM1210 Chip Inductor Series

Changes to Manufacturing **Materials**, Equipment, Process, Location, Minimum Order Quantity and Product Specifications

Bourns is upgrading the manufacturing equipment and process, moving the manufacturing location, increasing the minimum order quantity (MOQ), and changing some product specifications for the [Model PM1210 Chip Inductor Series](#).

As the result of the changes, the manufacturing location is transferring from Japan to China. The MOQ will be increased from 2,000 to 10,000. In addition, several key inductor characteristics including Q value, SRF, DC resistance, rated current, coil mounting position, Moisture Sensitivity Level (MSL), a soldering terminal dimension **and materials** will be modified. (See Tables 1-3 and Figure 1 for more specifications).

The form, fit and function of the new parts will be affected by the changes, and the country of origin marking will be changed from Japan to China. **The RoHS status will be changed from “compliant with exemption” to “compliant with no exemption.”**

Qualification tests include vibration, shock, resistance to soldering heat, terminal strength-pull, solderability, resistance to solvent, thermal shock, high temperature load life, humidity, and humidity load life. Tests have been completed and results are available upon request. For your convenience, the Model PM1210 Chip Inductor data sheet is available at www.bourns.com. **The updated Material Declaration Sheet and Certificate of Compliance will be posted to the website on September 1, 2014.**

Implementation dates are as follows:

First date code using the above changes: 1436

Date that manufacturing of existing products will cease: August 31, 2014

Date that deliveries of modified products will begin: September 1, 2014

As a result of such changes, two specific part numbers listed in Table 3 will become obsolete with the *last time buy date of August 31, 2014*. The *last time ship date will be April 30, 2015*.

If you have any questions or need additional information, please feel free to contact [Customer Service/ Inside Sales](#).

Table 1 ~ Changes to MOQ

Part Number	L (µH)	Original MOQ	Revised MOQ
PM1210-1R0J-RC	1	2000	10,000
PM1210-1R2J-RC	1.2	2000	10,000
PM1210-1R5J-RC	1.5	2000	10,000
PM1210-1R8J-RC	1.8	2000	10,000
PM1210-2R2J-RC	2.2	2000	10,000
PM1210-2R7J-RC	2.7	2000	10,000
PM1210-3R3J-RC	3.3	2000	10,000
PM1210-3R9J-RC	3.9	2000	10,000
PM1210-4R7J-RC	4.7	2000	10,000
PM1210-5R6J-RC	5.6	2000	10,000
PM1210-6R8J-RC	6.8	2000	10,000
PM1210-8R2J-RC	8.2	2000	10,000
PM1210-100J-RC	10	2000	10,000
PM1210-120J-RC	12	2000	10,000
PM1210-150J-RC	15	2000	10,000
PM1210-180J-RC	18	2000	10,000
PM1210-220J-RC	22	2000	10,000
PM1210-270J-RC	27	2000	10,000
PM1210-330J-RC	33	2000	10,000
PM1210-390J-RC	39	2000	10,000
PM1210-470J-RC	47	2000	10,000
PM1210-560J-RC	56	2000	10,000
PM1210-680J-RC	68	2000	10,000
PM1210-820J-RC	82	2000	10,000
PM1210-101J-RC	100	2000	10,000
PM1210-121J-RC	120	2000	10,000
PM1210-151J-RC	150	2000	10,000

Table 2 ~ Affected Part Numbers

Part Number	L (µH)	Original Q	Revised Q	Original SRF (MHz)	Revised SRF (MHz)	Original DCR (Ω)	Revised DCR (Ω)	Original Idc (mA)	Revised Idc (mA)
PM1210-1R0J-RC	1	30	30	115	120	0.69	0.7	230	400
PM1210-1R2J-RC	1.2	30	30	100	100	0.75	0.75	215	390
PM1210-1R5J-RC	1.5	30	30	90	85	0.75	0.85	210	370
PM1210-1R8J-RC	1.8	30	30	85	80	0.82	0.9	200	350
PM1210-2R2J-RC	2.2	30	30	80	75	0.95	1	190	320
PM1210-2R7J-RC	2.7	30	30	75	70	1.1	1.1	180	290
PM1210-3R3J-RC	3.3	30	30	65	60	1.2	1.2	180	260
PM1210-3R9J-RC	3.9	30	30	60	55	1.3	1.3	175	250
PM1210-4R7J-RC	4.7	30	30	55	50	1.5	1.5	165	220
PM1210-5R6J-RC	5.6	30	30	50	45	1.6	1.6	160	200
PM1210-6R8J-RC	6.8	30	30	45	40	1.8	1.8	150	180
PM1210-8R2J-RC	8.2	30	30	40	35	2	2	140	170
PM1210-100J-RC	10	30	30	36	30	2.1	2.1	140	150
PM1210-120J-RC	12	30	30	33	20	2.5	2.5	125	140
PM1210-150J-RC	15	30	30	30	20	2.8	2.8	120	130
PM1210-180J-RC	18	30	30	27	20	3.3	3.3	110	120
PM1210-220J-RC	22	30	30	25	20	3.7	3.7	105	110
PM1210-270J-RC	27	30	30	22	20	5	5	90	80
PM1210-330J-RC	33	30	30	20	17	5.6	5.6	85	70
PM1210-390J-RC	39	30	30	20	16	6.4	6.4	80	65
PM1210-470J-RC	47	30	30	15	15	7	7	75	60
PM1210-560J-RC	56	30	30	15	13	8	8	70	55
PM1210-680J-RC	68	30	30	15	12	9	9	65	50
PM1210-820J-RC	82	30	30	11	11	10	10	60	45
PM1210-101J-RC	100	20	20	10	10	10	11	60	40
PM1210-121J-RC	120	20	20	10	10	11	11	55	70
PM1210-151J-RC	150	20	20	8	8	15	15	50	65

Figure 1

Terminal Dimensions	
Original	Revised
Coil Mounting Position	
Original	Revised
Vertical	Horizontal
Moisture Sensitivity Level	
Original	Revised
1	3

The changes listed above have determined the obsolescence for the following part numbers.

Table 3 ~ Obsolete Part Numbers

PM1210-181J-RC
PM1210-221J-RC