

Product Change/Obsolescence Notification

MAGNETIC PRODUCTS



April, 2014 - Revised July 14, 2014

Bourns® Model CM322522 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 CM322522 Chip Inductor Series](#).

As the result of the changes, the manufacturing location is transferring from Japan to China. The MOQ for part numbers with a 5 % inductance tolerance 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 CM322522 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, nine 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
CM322522-1R0JL	1	2000	10,000
CM322522-1R2JL	1.2	2000	10,000
CM322522-1R5JL	1.5	2000	10,000
CM322522-1R8JL	1.8	2000	10,000
CM322522-2R2JL	2.2	2000	10,000
CM322522-2R7JL	2.7	2000	10,000
CM322522-3R3JL	3.3	2000	10,000
CM322522-3R9JL	3.9	2000	10,000
CM322522-4R7JL	4.7	2000	10,000
CM322522-5R6JL	5.6	2000	10,000
CM322522-6R8JL	6.8	2000	10,000
CM322522-8R2JL	8.2	2000	10,000
CM322522-100JL	10	2000	10,000
CM322522-120JL	12	2000	10,000
CM322522-150JL	15	2000	10,000
CM322522-180JL	18	2000	10,000
CM322522-220JL	22	2000	10,000
CM322522-270JL	27	2000	10,000
CM322522-330JL	33	2000	10,000
CM322522-390JL	39	2000	10,000
CM322522-470JL	47	2000	10,000
CM322522-560JL	56	2000	10,000
CM322522-680JL	68	2000	10,000
CM322522-820JL	82	2000	10,000
CM322522-101JL	100	2000	10,000
CM322522-121JL	120	2000	10,000
CM322522-151JL	150	2000	10,000

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)
CM322522-R12ML	0.12	10	30	400	500	0.67	0.22	240	450
CM322522-R15ML	0.15	10	30	350	450	0.72	0.25	230	450
CM322522-R18ML	0.18	10	30	320	400	0.81	0.28	220	450
CM322522-R22ML CM322522-R22KL	0.22	25	30	230	350	0.29	0.32	360	450
CM322522-R27ML CM322522-R27KL	0.27	25	30	210	320	0.32	0.36	345	450
CM322522-R33ML CM322522-R33KL	0.33	25	30	190	300	0.35	0.4	330	450
CM322522-R39ML CM322522-R39KL	0.39	25	30	175	250	0.39	0.45	305	450
CM322522-R47ML CM322522-R47KL	0.47	25	30	160	220	0.44	0.5	290	450
CM322522-R56ML CM322522-R56KL	0.56	25	30	150	180	0.49	0.55	275	450
CM322522-R68ML CM322522-R68KL	0.68	25	30	135	160	0.55	0.6	260	450
CM322522-R82ML CM322522-R82KL	0.82	25	30	125	140	0.61	0.65	245	450
CM322522-1R0KL CM322522-1R0JL	1	30	30	115	120	0.69	0.7	230	400
CM322522-1R2KL CM322522-1R2JL	1.2	30	30	100	100	0.75	0.75	215	390
CM322522-1R5KL CM322522-1R5JL	1.5	30	30	90	85	0.75	0.85	210	370
CM322522-1R8KL CM322522-1R8JL	1.8	30	30	85	80	0.82	0.9	200	350
CM322522-2R2KL CM322522-2R2JL	2.2	30	30	80	75	0.95	1	190	320
CM322522-2R7KL CM322522-2R7JL	2.7	30	30	75	70	1.1	1.1	180	290
CM322522-3R3KL CM322522-3R3JL	3.3	30	30	65	60	1.2	1.2	180	260
CM322522-3R9KL CM322522-3R9JL	3.9	30	30	60	55	1.3	1.3	175	250
CM322522-4R7KL CM322522-4R7JL	4.7	30	30	55	50	1.5	1.5	165	220
CM322522-5R6KL CM322522-5R6JL	5.6	30	30	50	45	1.6	1.6	160	200
CM322522-6R8KL CM322522-6R8JL	6.8	30	30	45	40	1.8	1.8	150	180

Table 2 ~ Affected Part Numbers (Continued)

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)
CM322522-8R2KL CM322522-8R2JL	8.2	30	30	40	35	2	2	140	170
CM322522-100KL CM322522-100JL	10	30	30	36	30	2.1	2.1	140	150
CM322522-120KL CM322522-120JL	12	30	30	33	20	2.5	2.5	125	140
CM322522-150KL CM322522-150JL	15	30	30	30	20	2.8	2.8	120	130
CM322522-180KL CM322522-180JL	18	30	30	27	20	3.3	3.3	110	120
CM322522-220KL CM322522-220JL	22	30	30	25	20	3.7	3.7	105	110
CM322522-270KL CM322522-270JL	27	30	30	22	20	5	5	90	80
CM322522-330KL CM322522-330JL	33	30	30	20	17	5.6	5.6	85	70
CM322522-390KL CM322522-390JL	39	30	30	20	16	6.4	6.4	80	65
CM322522-470KL CM322522-470JL	47	30	30	15	15	7	7	75	60
CM322522-560KL CM322522-560JL	56	30	30	15	13	8	8	70	55
CM322522-680KL CM322522-680JL	68	30	30	15	12	9	9	65	50
CM322522-820KL CM322522-820JL	82	30	30	11	11	10	10	60	45
CM322522-101KL CM322522-101JL	100	20	20	10	10	10	11	60	40
CM322522-121KL CM322522-121JL	120	20	20	10	10	11	11	55	70
CM322522-151KL CM322522-151JL	150	20	20	8	8	15	15	50	65

Figure 1

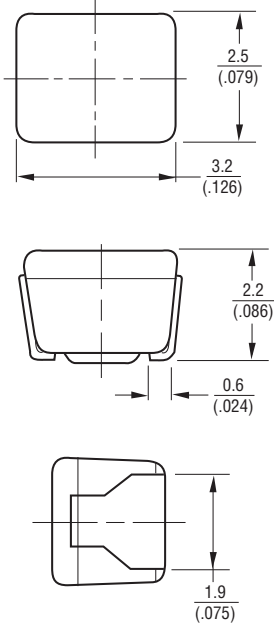
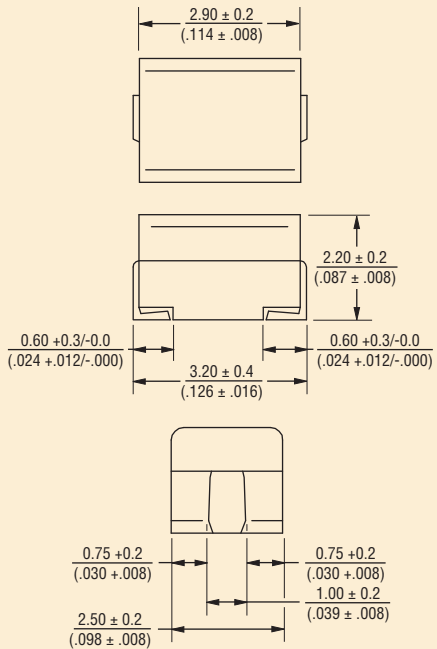
Terminal Dimensions	
Original	Revised
	
Coil Mounting Position	
Original	Revised
Vertical	Horizontal
Moisture Sensitivity Level	
Original	Revised
1	3

Table 3 ~ Obsolete Part Numbers

CM322522-47NML	CM322522-82NML	CM322522-221KL
CM322522-56NML	CM322522-R10ML	CM322522-181JL
CM322522-68NML	CM322522-181KL	CM322522-221JL