BOURNS®

Product Change/Obsolescence Notification

MAGNETIC PRODUCTS

April, 2014

Bourns® Model CM322522 Chip Inductor Series

Changes to Manufacturing 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), and a soldering terminal dimension 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.

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.

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.

IC1416

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**

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)
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

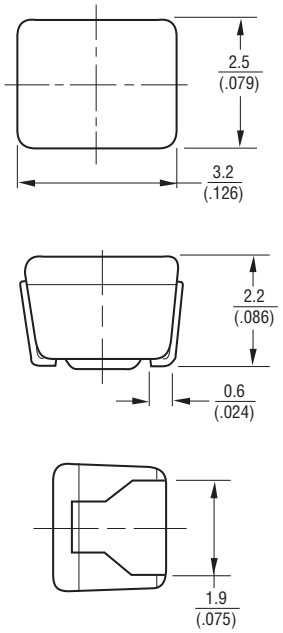
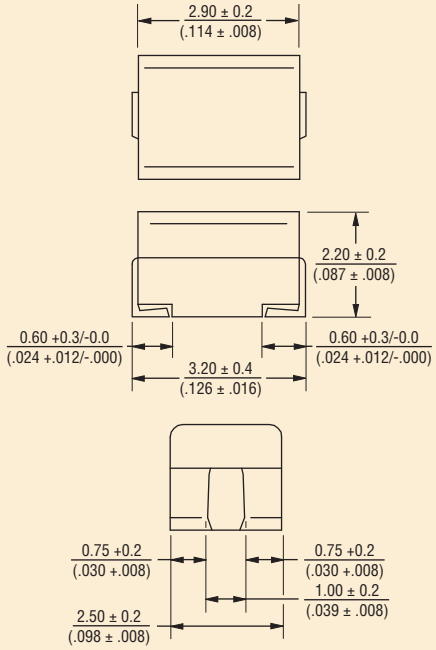
Terminal Dimensions	
Original	**Revised**
	
Coil Mounting Position	
Original	**Revised**
Vertical	**Horizontal**
Moisture Sensitivity Level	
Original	**Revised**
1	**3**

Table 3 ~ Obsolete Part Numbers

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