

## Product Change/Obsolescence Notification

### MAGNETIC PRODUCTS



March, 2016

## Changes to Bourns® Model 5800 Series High Current Chokes

Bourns is announcing the following changes to the [Model 5800 Series](#) High Current Chokes.

- 1) **Manufacturing Location:** Products are being transferred from Huilai, China to Shanghai, China to help streamline the production process.
- 2) **Materials:** The core material currently being used on the series will be discontinued. An essentially equivalent replacement material will be used to produce the series. Other materials will be adjusted accordingly, as well.
- 3) **Product Specifications:** Marking, terminal lead diameter, operating temperature range, DCR, and Isat/Irated current are changing. For your convenience, Table 1 and 2 list these changes.
- 4) **Packaging & MOQ/Mult:** The tape and reel packaging will no longer be available (Table 3 lists the part numbers with tape and reel packaging no longer valid). Bulk packaging becomes the only packaging option. As a result of this change, the Minimum Order Quantity (MOQ) / Multiples quantity (Mult) will be affected. For your convenience, Table 2 lists the changes.

Implementation dates are as follows:

*First date code using the above changes: 1626*

*Date that manufacturing of existing products will cease: June 30, 2016*

*Date that deliveries of modified products will begin: July 1, 2016*

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

TABLE 1

Model	Marking		Terminal Lead Diameter		Operating Temperature Range	
	Current	Revised	Current	Revised	Current	Revised
5800 Series	Full part number is marked.  <i>Example:</i> <i>P/N: 5800-101-RC</i> <i>Marked: 5800-101-RC</i>	Inductance code is marked.  <i>Example:</i> <i>P/N: 5800-101-RC</i> <i>Marked: 101</i>	0.025" (0.635 mm)	0.0256" (0.650 mm)	-55 to +105 °C	-40 to +125 °C

TABLE 2

Part Number	DCR ( $\Omega$ ) Max.		Irated / Irms (A)		Isat (A)		MOQ / Mult	
	Current	Revised	Current (Irated)	Revised (Irms, Max.)	Current (Isat)	Revised (Isat, Max.)	Current	Revised
5800-3R9-RC	0.019	0.015	1.28	3.1	7.3	5.8	200 / 100	864 / 864
5800-4R7-RC	0.022	0.016	1.28	3.1	6.3	5.4	200 / 100	864 / 864
5800-5R6-RC	0.024	0.023	1.28	2.5	5.6	5.0	200 / 100	864 / 864
5800-6R8-RC	0.026	0.026	1.28	2.4	5.3	4.4	200 / 100	864 / 864
5800-8R2-RC	0.028	0.031	1.28	2.2	4.5	3.9	200 / 100	864 / 864
5800-100-RC	0.033	0.032	1.28	2.1	4.1	3.6	200 / 100	864 / 864
5800-120-RC	0.037	0.035	1.28	2.0	3.6	3.4	200 / 100	864 / 864
5800-150-RC	0.04	0.039	1.28	1.9	3.3	3.0	200 / 100	864 / 864
5800-180-RC	0.044	0.043	1.28	1.8	3	2.8	200 / 100	864 / 864
5800-220-RC	0.05	0.051	1.28	1.7	2.7	2.4	200 / 100	864 / 864
5800-270-RC	0.058	0.066	1.28	1.5	2.5	2.2	200 / 100	864 / 864
5800-330-RC	0.075	0.090	1.008	1.3	2.2	2.0	200 / 100	864 / 864
5800-390-RC	0.094	0.097	0.804	1.2	2	1.8	200 / 100	864 / 864
5800-470-RC	0.109	0.136	0.804	1.0	1.8	1.7	200 / 100	864 / 864
5800-560-RC	0.14	0.150	0.804	1.0	1.7	1.5	200 / 100	864 / 864
5800-680-RC	0.145	0.166	0.804	0.90	1.5	1.4	200 / 100	864 / 864
5800-820-RC	0.152	0.190	0.804	0.90	1.4	1.3	200 / 100	864 / 864
5800-101-RC	0.208	0.210	0.632	0.80	1.2	1.1	200 / 100	864 / 864
5800-121-RC	0.283	0.300	0.508	0.70	1.1	1.0	200 / 100	864 / 864
5800-151-RC	0.34	0.460	0.508	0.60	1	0.90	200 / 100	864 / 864
5800-181-RC	0.362	0.520	0.508	0.50	0.95	0.90	200 / 100	864 / 864
5800-221-RC	0.43	0.580	0.508	0.50	0.86	0.80	200 / 100	864 / 864
5800-271-RC	0.557	0.650	0.4	0.50	0.77	0.70	200 / 100	864 / 864
5800-331-RC	0.665	0.770	0.4	0.40	0.7	0.60	200 / 100	864 / 864
5800-391-RC	0.772	0.860	0.4	0.40	0.64	0.60	200 / 100	864 / 864
5800-471-RC	1.15	1.20	0.315	0.40	0.59	0.50	200 / 100	864 / 864
5800-561-RC	1.27	1.30	0.315	0.30	0.54	0.50	200 / 100	864 / 864
5800-681-RC	1.61	1.70	0.25	0.30	0.49	0.40	200 / 100	864 / 864
5800-821-RC	1.96	1.90	0.2	0.28	0.44	0.40	200 / 100	864 / 864
5800-102-RC	2.3	2.50	0.2	0.24	0.4	0.36	200 / 100	864 / 864
5800-122-RC	2.65	2.70	0.2	0.23	0.35	0.33	200 / 100	864 / 864
5800-152-RC	3.45	3.90	0.158	0.19	0.33	0.29	200 / 100	864 / 864
5800-182-RC	4.03	4.40	0.158	0.18	0.29	0.27	200 / 100	864 / 864
5800-222-RC	4.48	5.30	0.158	0.17	0.27	0.24	200 / 100	864 / 864
5800-272-RC	5.9	6.60	0.125	0.15	0.24	0.22	200 / 100	864 / 864
5800-332-RC	6.56	8.80	0.125	0.13	0.22	0.20	200 / 100	864 / 864
5800-392-RC	8.63	9.70	0.1	0.12	0.2	0.18	200 / 100	864 / 864
5800-472-RC	10.5	12.5	0.1	0.11	0.18	0.17	200 / 100	864 / 864
5800-562-RC	13.9	13.8	0.082	0.10	0.166	0.15	200 / 100	864 / 864
5800-682-RC	16.3	17.5	0.082	0.091	0.151	0.14	200 / 100	864 / 864
5800-822-RC	20.8	19.7	0.065	0.086	0.136	0.13	200 / 100	864 / 864
5800-103-RC	26.4	24.0	0.05	0.076	0.125	0.11	200 / 100	864 / 864
5800-123-RC	29.9	27.0	0.05	0.072	0.114	0.10	200 / 100	864 / 864
5800-153-RC	42.5	37.5	0.039	0.061	0.098	0.090	200 / 100	864 / 864
5800-183-RC	48.3	41.0	0.039	0.058	0.091	0.080	200 / 100	864 / 864

**TABLE 3**

Due to the discontinuation of tape and reel packaging, the following part numbers will no longer be valid.

<b>Part Number</b>	<b>Part Number</b>	<b>Part Number</b>
5800-100-TR-RC	5800-183-TR-RC	5800-471-TR-RC
5800-101-TR-RC	5800-220-TR-RC	5800-472-TR-RC
5800-102-TR-RC	5800-221-TR-RC	5800-4R7-TR-RC
5800-103-TR-RC	5800-222-TR-RC	5800-560-TR-RC
5800-120-TR-RC	5800-270-TR-RC	5800-561-TR-RC
5800-121-TR-RC	5800-271-TR-RC	5800-562-TR-RC
5800-122-TR-RC	5800-272-TR-RC	5800-5R6-TR-RC
5800-123-TR-RC	5800-330-TR-RC	5800-680-TR-RC
5800-150-TR-RC	5800-331-TR-RC	5800-681-TR-RC
5800-151-TR-RC	5800-332-TR-RC	5800-682-TR-RC
5800-152-TR-RC	5800-390-TR-RC	5800-6R8-TR-RC
5800-153-TR-RC	5800-391-TR-RC	5800-820-TR-RC
5800-180-TR-RC	5800-392-TR-RC	5800-821-TR-RC
5800-181-TR-RC	5800-3R9-TR-RC	5800-822-TR-RC
5800-182-TR-RC	5800-470-TR-RC	5800-8R2-TR-RC