



# PRODUCT CHANGE NOTIFICATION

## FIXED RESISTORS

REVISED APRIL 13, 2021



## Model CRM High Power Current Sense Chip Resistor Series

### *Resistive Element Material Change for Select Models with Resistance Values Lower than 1 Ohm*

Riverside, California – December 14, 2020 - Revised January 13, 2021 & April 13, 2021 – Effective June 1, 2021, the silver-based resistive element of select Bourns® Model CRM High Power Current Sense Chip Resistors with resistance values lower than 1 ohm will be replaced by a copper-based resistive element due to shortages of silver-based resistive elements. Models with resistance values from 1 ohm to 1 megohm remain unchanged.

The change in the resistive element material from silver-based to copper-based will have no effect on the fit, form, function, quality or reliability of the affected chip resistors. A list of affected part numbers is included on the following page.

Samples are available upon request.

Implementation dates are as follows:

Date evaluation samples of the new model design will be available: **December 1, 2020**

Date that manufacturing product with existing silver-based resistive element will cease: **May 31, 2021**

Date that deliveries of product with modified copper-based resistive element will begin: **June 1, 2021**

First date code using the above changes: **2123**

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

*Users should verify that the described changes will not impact the performance of the product in their specific applications.*

N2027REV2

| Affected Part Numbers               |                    |                               |
|-------------------------------------|--------------------|-------------------------------|
| <a href="#">CRM0805</a> -FW-R050ELF | CRM0805-FX-R091ELF | CRM0805-JX-R100ELF            |
| CRM0805-FW-R090ELF                  | CRM0805-FX-R100ELF | <del>CRM0805AFX-R100ELF</del> |
| CRM0805-FX-R047ELF                  | CRM0805-FX-R150ELF | <del>CRM0805AFX-R500ELF</del> |
| CRM0805-FX-R068ELF                  | CRM0805-FX-R510ELF | <del>CRM0805AJX-R100ELF</del> |
| CRM0805-FX-R075ELF                  | CRM0805-FX-R910ELF |                               |
| <a href="#">CRM1206</a> -FX-R047ELF | CRM1206-FX-R220ELF | CRM1206-FX-R910ELF            |
| CRM1206-FX-R050ELF                  | CRM1206-FX-R300ELF | CRM1206-JX-R051ELF            |
| CRM1206-FX-R051ELF                  | CRM1206-FX-R330ELF | CRM1206-JX-R130ELF            |
| CRM1206-FX-R056ELF                  | CRM1206-FX-R360ELF | CRM1206-JX-R150ELF            |
| CRM1206-FX-R082ELF                  | CRM1206-FX-R470ELF | CRM1206-JX-R160ELF            |
| CRM1206-FX-R100ELF                  | CRM1206-FX-R510ELF | <del>CRM1206AFX-R068ELF</del> |
| CRM1206-FX-R150ELF                  | CRM1206-FX-R680ELF | <del>CRM1206AFX-R100ELF</del> |
| CRM1206-FX-R160ELF                  | CRM1206-FX-R750ELF | <del>CRM1206AFX-R470ELF</del> |
| CRM1206-FX-R200ELF                  | CRM1206-FX-R820ELF |                               |
| <a href="#">CRM2010</a> -FX-R047ELF | CRM2010-FX-R220ELF | CRM2010-FX-R910ELF            |
| CRM2010-FX-R050ELF                  | CRM2010-FX-R240ELF | CRM2010-JX-R047ELF            |
| CRM2010-FX-R051ELF                  | CRM2010-FX-R270ELF | CRM2010-JX-R100ELF            |
| CRM2010-FX-R082ELF                  | CRM2010-FX-R300ELF | CRM2010-JX-R820ELF            |
| CRM2010-FX-R090ELF                  | CRM2010-FX-R390ELF | <del>CRM2010AFX-R100ELF</del> |
| CRM2010-FX-R100ELF                  | CRM2010-FX-R470ELF | <del>CRM2010AFX-R330ELF</del> |
| CRM2010-FX-R150ELF                  | CRM2010-FX-R510ELF |                               |
| CRM2010-FX-R200ELF                  | CRM2010-FX-R820ELF |                               |

### Affected Part Numbers (continued)

|                                    |                    |                               |
|------------------------------------|--------------------|-------------------------------|
| <a href="#">CRM2512-FV-R050ELF</a> | CRM2512-FX-R240ELF | CRM2512-JX-R068ELF            |
| CRM2512-FV-R060ELF                 | CRM2512-FX-R250ELF | CRM2512-JX-R100ELF            |
| CRM2512-FV-R075ELF                 | CRM2512-FX-R270ELF | CRM2512-JX-R200ELF            |
| CRM2512-FV-R082ELF                 | CRM2512-FX-R300ELF | CRM2512-JX-R300ELF            |
| CRM2512-FV-R090ELF                 | CRM2512-FX-R330ELF | CRM2512-JX-R470ELF            |
| CRM2512-FX-R047ELF                 | CRM2512-FX-R390ELF | CRM2512-JX-R510ELF            |
| CRM2512-FX-R050ELF                 | CRM2512-FX-R430ELF | CRM2512-JX-R680ELF            |
| CRM2512-FX-R062ELF                 | CRM2512-FX-R470ELF | CRM2512-JX-R750ELF            |
| CRM2512-FX-R075ELF                 | CRM2512-FX-R500ELF | CRM2512-JX-R820ELF            |
| CRM2512-FX-R082ELF                 | CRM2512-FX-R510ELF | CRM2512-JX-R910ELF            |
| CRM2512-FX-R100ELF                 | CRM2512-FX-R680ELF | <del>CRM2512AFX-R100ELF</del> |
| CRM2512-FX-R120ELF                 | CRM2512-FX-R750ELF | <del>CRM2512AFX-R680ELF</del> |
| CRM2512-FX-R150ELF                 | CRM2512-FX-R820ELF | <del>CRM2512AJX-R200ELF</del> |
| CRM2512-FX-R200ELF                 | CRM2512-FX-R910ELF |                               |
| CRM2512-FX-R220ELF                 | CRM2512-JX-R050ELF |                               |