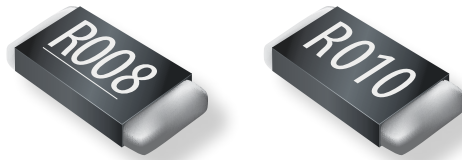


Product Change Notification

POWER RESISTORS



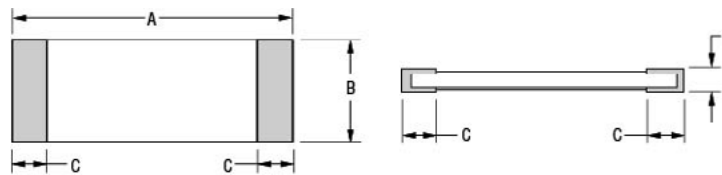
December 10, 2018

REVISED DECEMBER 20, 2018

Bourns® Model CRA and CRE Series High Power Current Sense Chip Resistors

Product Dimension Improvements

The dimensions of the Bourns® Model [CRA](#) and [CRE](#) series Chip Resistors have been adjusted to meet the factory's current production capability. The chart below provides the previous and new dimensions for each



Model	Designator	Previous Dimensions	New Dimensions
CRA2512	A	6.45 ± 0.20	6.40 ± 0.20
CRA2512	B	3.35 ± 0.20	3.20 ± 0.20
CRA2512	C	0.95 ± 0.10	0.90 ± 0.10
CRE2512-R001 ~ CRE2512R004	A	6.45 ± 0.20	6.40 ± 0.20
CRE2512-R001 ~ CRE2512R004	B	3.35 ± 0.20	3.2 ± 0.20
CRE2512-R005 ~ CRE2512R009	A	6.45 ± 0.20	6.40 ± 0.20
CRE2512-R005 ~ CRE2512R009	B	3.35 ± 0.20	3.20 ± 0.20
CRE2512-R005 ~ CRE2512R009	C	0.95 ± 0.10	0.90 ± 0.20

While there is a change to the products' fit, the products' form, function, quality and reliability will remain the same. Products with modified dimensions can be identified by the date code 1922.

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

N1844 REV

Bourns® Model CRA and CRE Series High Power Current Sense Chip Resistors - Product Dimension ImprovementsDecember 10, 2018 - **REVISED DECEMBER 20, 2018**

Page 2 of 2

Implementation dates are as follows:

First date code applying the above changes: 1922

Date deliveries of modified products will begin: June 01, 2019

Date manufacturing of existing products will cease: June 01, 2019

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

Affected Products

CRA2512-FZ-R001ELF	CRA2512-FZ-R080ELF	CRA2512-JZ-R060ELF	CRE2512-FZ-R003E-3
CRA2512-FZ-R004ELF	CRA2512-FZ-R090ELF	CRA2512-JZ-R065ELF	CRE2512-FZ-R004E-2
CRA2512-FZ-R010ELF	CRA2512-FZ-R100ELF	CRA2512-JZ-R070ELF	CRE2512-FZ-R004E-3
CRA2512-FZ-R015ELF	CRA2512-JZ-R010ELF	CRA2512-JZ-R075ELF	CRE2512-FZ-R005E-2
CRA2512-FZ-R018ELF	CRA2512-JZ-R017ELF	CRA2512-JZ-R080ELF	CRE2512-FZ-R005E-3
CRA2512-FZ-R020ELF	CRA2512-JZ-R020ELF	CRA2512-JZ-R085ELF	CRE2512-FZ-R006E-2
CRA2512-FZ-R025ELF	CRA2512-JZ-R025ELF	CRA2512-JZ-R095ELF	CRE2512-FZ-R006E-3
CRA2512-FZ-R030ELF	CRA2512-JZ-R030ELF	CRA2512-JZ-R100ELF	CRE2512-FZ-R007E-2
CRA2512-FZ-R040ELF	CRA2512-JZ-R034ELF	CRE2512-FZ-R001E-2	CRE2512-FZ-R007E-3
CRA2512-FZ-R050ELF	CRA2512-JZ-R040ELF	CRE2512-FZ-R001E-3	CRE2512-FZ-R008E-2
CRA2512-FZ-R060ELF	CRA2512-JZ-R045ELF	CRE2512-FZ-R002E-2	CRE2512-FZ-R008E-3
CRA2512-FZ-R070ELF	CRA2512-JZ-R050ELF	CRE2512-FZ-R002E-3	CRE2512-FZ-R009E-2
CRA2512-FZ-R075ELF	CRA2512-JZ-R055ELF	CRE2512-FZ-R003E-2	CRE2512-FZ-R009E-3