



PRODUCT UPDATE MEMO

FIXED RESISTORS



Improved Rated Power of Select Bourns® Model CRL Series Thick Film Chip Resistors

Model CRL0603, CRL0805, CRL1206, CRL2010 and CRL2512 Series

Riverside, California – July 20, 2021 – Effective October 30, 2021, the rated power of select Bourns® [Model CRL Series Thick Film Chip Resistors](#) will increase from 0.1 watts to 0.125 watts for the CRL0603 series, 0.125 watts to 0.25 watts for the CRL0805 series, 0.25 watts to 0.50 watts for the CRL1206 series and 0.50 watts to 0.75 watts for the CRL 2010 series. The maximum operating temperature will also improve from 125 °C to 155 °C for all series listed.

There have been no changes to the products themselves. The identified changes in specifications are the result of additional testing of the listed models.

The changes in electrical performance should provide these models with a competitive advantage over models with a lower power rating. A list of affected part numbers is included on the following pages.

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

Affected Part Numbers

CRL0603 Series

CRL0603-FW-R100ELF	CRL0603-FW-R270ELF	CRL0603-FW-R680ELF	CRL0603-JW-R160ELF	CRL0603-JW-R430ELF
CRL0603-FW-R110ELF	CRL0603-FW-R300ELF	CRL0603-FW-R700ELF	CRL0603-JW-R180ELF	CRL0603-JW-R470ELF
CRL0603-FW-R120ELF	CRL0603-FW-R330ELF	CRL0603-FW-R750ELF	CRL0603-JW-R200ELF	CRL0603-JW-R510ELF
CRL0603-FW-R130ELF	CRL0603-FW-R360ELF	CRL0603-FW-R820ELF	CRL0603-JW-R220ELF	CRL0603-JW-R560ELF
CRL0603-FW-R150ELF	CRL0603-FW-R390ELF	CRL0603-FW-R910ELF	CRL0603-JW-R240ELF	CRL0603-JW-R620ELF
CRL0603-FW-R160ELF	CRL0603-FW-R430ELF	CRL0603-JW-R100ELF	CRL0603-JW-R270ELF	CRL0603-JW-R680ELF
CRL0603-FW-R180ELF	CRL0603-FW-R470ELF	CRL0603-JW-R110ELF	CRL0603-JW-R300ELF	CRL0603-JW-R750ELF
CRL0603-FW-R200ELF	CRL0603-FW-R510ELF	CRL0603-JW-R120ELF	CRL0603-JW-R330ELF	CRL0603-JW-R820ELF
CRL0603-FW-R220ELF	CRL0603-FW-R560ELF	CRL0603-JW-R130ELF	CRL0603-JW-R360ELF	CRL0603-JW-R910ELF
CRL0603-FW-R240ELF	CRL0603-FW-R620ELF	CRL0603-JW-R150ELF	CRL0603-JW-R390ELF	

Affected Part Numbers

CRL0805 Series

CRL0805-FW-R100ELF	CRL0805-FW-R270ELF	CRL0805-FW-R680ELF	CRL0805-JW-R180ELF	CRL0805-JW-R470ELF
CRL0805-FW-R110ELF	CRL0805-FW-R300ELF	CRL0805-FW-R750ELF	CRL0805-JW-R200ELF	CRL0805-JW-R510ELF
CRL0805-FW-R120ELF	CRL0805-FW-R330ELF	CRL0805-FW-R820ELF	CRL0805-JW-R220ELF	CRL0805-JW-R560ELF
CRL0805-FW-R130ELF	CRL0805-FW-R360ELF	CRL0805-FW-R910ELF	CRL0805-JW-R240ELF	CRL0805-JW-R620ELF
CRL0805-FW-R150ELF	CRL0805-FW-R390ELF	CRL0805-JW-R100ELF	CRL0805-JW-R270ELF	CRL0805-JW-R680ELF
CRL0805-FW-R160ELF	CRL0805-FW-R430ELF	CRL0805-JW-R110ELF	CRL0805-JW-R300ELF	CRL0805-JW-R750ELF
CRL0805-FW-R180ELF	CRL0805-FW-R470ELF	CRL0805-JW-R120ELF	CRL0805-JW-R330ELF	CRL0805-JW-R820ELF
CRL0805-FW-R200ELF	CRL0805-FW-R510ELF	CRL0805-JW-R130ELF	CRL0805-JW-R360ELF	CRL0805-JW-R910ELF
CRL0805-FW-R220ELF	CRL0805-FW-R560ELF	CRL0805-JW-R150ELF	CRL0805-JW-R390ELF	
CRL0805-FW-R240ELF	CRL0805-FW-R620ELF	CRL0805-JW-R160ELF	CRL0805-JW-R430ELF	

Affected Part Numbers

CRL1206 Series

CRL1206-FW-R100ELF	CRL1206-FW-R270ELF	CRL1206-FW-R680ELF	CRL1206-JW-R180ELF	CRL1206-JW-R470ELF
CRL1206-FW-R110ELF	CRL1206-FW-R300ELF	CRL1206-FW-R750ELF	CRL1206-JW-R200ELF	CRL1206-JW-R510ELF
CRL1206-FW-R120ELF	CRL1206-FW-R330ELF	CRL1206-FW-R820ELF	CRL1206-JW-R220ELF	CRL1206-JW-R560ELF
CRL1206-FW-R130ELF	CRL1206-FW-R360ELF	CRL1206-FW-R910ELF	CRL1206-JW-R240ELF	CRL1206-JW-R620ELF
CRL1206-FW-R150ELF	CRL1206-FW-R390ELF	CRL1206-JW-R100ELF	CRL1206-JW-R270ELF	CRL1206-JW-R680ELF
CRL1206-FW-R160ELF	CRL1206-FW-R430ELF	CRL1206-JW-R110ELF	CRL1206-JW-R300ELF	CRL1206-JW-R750ELF
CRL1206-FW-R180ELF	CRL1206-FW-R470ELF	CRL1206-JW-R120ELF	CRL1206-JW-R330ELF	CRL1206-JW-R820ELF
CRL1206-FW-R200ELF	CRL1206-FW-R510ELF	CRL1206-JW-R130ELF	CRL1206-JW-R360ELF	CRL1206-JW-R910ELF
CRL1206-FW-R220ELF	CRL1206-FW-R560ELF	CRL1206-JW-R150ELF	CRL1206-JW-R390ELF	
CRL1206-FW-R240ELF	CRL1206-FW-R620ELF	CRL1206-JW-R160ELF	CRL1206-JW-R430ELF	

Affected Part Numbers

CRL2010 Series

CRL2010-FW-R100ELF	CRL2010-FW-R270ELF	CRL2010-FW-R680ELF	CRL2010-JW-R180ELF	CRL2010-JW-R470ELF
CRL2010-FW-R110ELF	CRL2010-FW-R300ELF	CRL2010-FW-R750ELF	CRL2010-JW-R200ELF	CRL2010-JW-R510ELF
CRL2010-FW-R120ELF	CRL2010-FW-R330ELF	CRL2010-FW-R820ELF	CRL2010-JW-R220ELF	CRL2010-JW-R560ELF
CRL2010-FW-R130ELF	CRL2010-FW-R360ELF	CRL2010-FW-R910ELF	CRL2010-JW-R240ELF	CRL2010-JW-R620ELF
CRL2010-FW-R150ELF	CRL2010-FW-R390ELF	CRL2010-JW-R100ELF	CRL2010-JW-R270ELF	CRL2010-JW-R680ELF
CRL2010-FW-R160ELF	CRL2010-FW-R430ELF	CRL2010-JW-R110ELF	CRL2010-JW-R300ELF	CRL2010-JW-R750ELF
CRL2010-FW-R180ELF	CRL2010-FW-R470ELF	CRL2010-JW-R120ELF	CRL2010-JW-R330ELF	CRL2010-JW-R820ELF
CRL2010-FW-R200ELF	CRL2010-FW-R510ELF	CRL2010-JW-R130ELF	CRL2010-JW-R360ELF	CRL2010-JW-R910ELF
CRL2010-FW-R220ELF	CRL2010-FW-R560ELF	CRL2010-JW-R150ELF	CRL2010-JW-R390ELF	
CRL2010-FW-R240ELF	CRL2010-FW-R620ELF	CRL2010-JW-R160ELF	CRL2010-JW-R430ELF	

Affected Part Numbers**CRL2512 Series**

CRL2512-FW-R100ELF	CRL2512-FW-R240ELF	CRL2512-FW-R560ELF	CRL2512-JW-R160ELF	CRL2512-JW-R620ELF
CRL2512-FW-R110ELF	CRL2512-FW-R270ELF	CRL2512-FW-R620ELF	CRL2512-JW-R220ELF	CRL2512-JW-R680ELF
CRL2512-FW-R120ELF	CRL2512-FW-R300ELF	CRL2512-FW-R680ELF	CRL2512-JW-R240ELF	CRL2512-JW-R750ELF
CRL2512-FW-R130ELF	CRL2512-FW-R330ELF	CRL2512-FW-R820ELF	CRL2512-JW-R300ELF	CRL2512-JW-R820ELF
CRL2512-FW-R150ELF	CRL2512-FW-R360ELF	CRL2512-FW-R910ELF	CRL2512-JW-R330ELF	CRL2512-JW-R910ELF
CRL2512-FW-R160ELF	CRL2512-FW-R390ELF	CRL2512-JW-R100ELF	CRL2512-JW-R360ELF	
CRL2512-FW-R180ELF	CRL2512-FW-R430ELF	CRL2512-JW-R120ELF	CRL2512-JW-R390ELF	
CRL2512-FW-R200ELF	CRL2512-FW-R470ELF	CRL2512-JW-R130ELF	CRL2512-JW-R430ELF	
CRL2512-FW-R220ELF	CRL2512-FW-R510ELF	CRL2512-JW-R150ELF	CRL2512-JW-R470ELF	