



# PRODUCT OBSOLESCENCE MEMO

## CHIP RESISTORS



## Select Bourns® Low Value Chip Resistors to be Discontinued

### *Model CRL-FW Series*

Riverside, California – July 24, 2020 – In accordance with our ongoing product lifecycle management procedures, Bourns will transfer select Model CRL-FW Low Value Chip Resistors series, 1% tolerance from 1 ohm to 10 ohms to an End of Product Life status on April 30, 2021. Resistance values lower than 1 ohm are not affected. A lack of sales volume and diminishing demand necessitates this action.

Recommended replacement products are available. The replacement devices are functionally equivalent, but are not in identical packages. Please contact the [Bourns team of Field Application Engineers](#) if you have any questions regarding the suggested replacement parts and your application requirements. A list of affected part numbers and recommended replacement part numbers is shown on page 2. Affected data sheets are available at [www.bourns.com/products/resistors/thick-film-chip-resistors](http://www.bourns.com/products/resistors/thick-film-chip-resistors):

- [CRL0603-FW Series](#)
- [CRL0805-FW Series](#)
- [CRL1206-FW Series](#)
- [CRL1210-FW Series](#)
- [CRL2512-FW Series](#)

Customers may continue to purchase these products during the End of Product Life transition period between now and April 30, 2021. Products purchased during this End of Product Life transition period will be covered by Bourns' standard warranty. Orders for these products during this End of Product Life transition period will be considered non-cancellable and non-returnable.

Please plan for the following deadlines:

Last Time Buy Date: **April 30, 2021**

Last Time Ship Date: **July 31, 2021**

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

N2020

Obsolete Part Number	Recommended Replacement Part Number	Obsolete Part Number	Recommended Replacement Part Number
CRL0603-FW-1R00ELF	CR0603-F/-1R00ELF	CRL0805-FW-3R60ELF	CR0805-F/-3R60ELF
CRL0603-FW-1R10ELF	CR0603-F/-1R10ELF	CRL0805-FW-3R90ELF	CR0805-F/-3R90ELF
CRL0603-FW-1R20ELF	CR0603-F/-1R20ELF	CRL0805-FW-4R30ELF	CR0805-F/-4R30ELF
CRL0603-FW-1R30ELF	CR0603-F/-1R30ELF	CRL0805-FW-4R70ELF	CR0805-F/-4R70ELF
CRL0603-FW-1R50ELF	CR0603-F/-1R50ELF	CRL0805-FW-4R75ELF	CR0805-F/-4R75ELF
CRL0603-FW-1R60ELF	CR0603-F/-1R60ELF	CRL0805-FW-5R10ELF	CR0805-F/-5R10ELF
CRL0603-FW-1R80ELF	CR0603-F/-1R80ELF	CRL0805-FW-5R60ELF	CR0805-F/-5R60ELF
CRL0603-FW-2R00ELF	CR0603-F/-2R00ELF	CRL0805-FW-6R20ELF	CR0805-F/-6R20ELF
CRL0603-FW-2R20ELF	CR0603-F/-2R20ELF	CRL0805-FW-6R80ELF	CR0805-F/-6R80ELF
CRL0603-FW-2R40ELF	CR0603-F/-2R40ELF	CRL0805-FW-7R50ELF	CR0805-F/-7R50ELF
CRL0603-FW-2R70ELF	CR0603-F/-2R70ELF	CRL0805-FW-8R20ELF	CR0805-F/-8R20ELF
CRL0603-FW-3R00ELF	CR0603-F/-3R00ELF	CRL0805-FW-9R10ELF	CR0805-F/-9R10ELF
CRL0603-FW-3R30ELF	CR0603-F/-3R30ELF	CRL1206-FW-1R00ELF	CR1206-F/-1R00ELF
CRL0603-FW-3R60ELF	CR0603-F/-3R60ELF	CRL1206-FW-1R10ELF	CR1206-F/-1R10ELF
CRL0603-FW-3R90ELF	CR0603-F/-3R90ELF	CRL1206-FW-1R20ELF	CR1206-F/-1R20ELF
CRL0603-FW-4R30ELF	CR0603-F/-4R30ELF	CRL1206-FW-1R30ELF	CR1206-F/-1R30ELF
CRL0603-FW-4R70ELF	CR0603-F/-4R70ELF	CRL1206-FW-1R50ELF	CR1206-F/-1R50ELF
CRL0603-FW-5R10ELF	CR0603-F/-5R10ELF	CRL1206-FW-1R60ELF	CR1206-F/-1R60ELF
CRL0603-FW-5R60ELF	CR0603-F/-5R60ELF	CRL1206-FW-1R80ELF	CR1206-F/-1R80ELF
CRL0603-FW-6R20ELF	CR0603-F/-6R20ELF	CRL1206-FW-2R00ELF	CR1206-F/-2R00ELF
CRL0603-FW-6R80ELF	CR0603-F/-6R80ELF	CRL1206-FW-2R20ELF	CR1206-F/-2R20ELF
CRL0603-FW-7R50ELF	CR0603-F/-7R50ELF	CRL1206-FW-2R21ELF	CR1206-F/-2R21ELF
CRL0603-FW-8R20ELF	CR0603-F/-8R20ELF	CRL1206-FW-2R40ELF	CR1206-F/-2R40ELF
CRL0603-FW-9R10ELF	CR0603-F/-9R10ELF	CRL1206-FW-2R70ELF	CR1206-F/-2R70ELF
CRL0805-FW-1R00ELF	CR0805-F/-1R00ELF	CRL1206-FW-3R00ELF	CR1206-F/-3R00ELF
CRL0805-FW-1R10ELF	CR0805-F/-1R10ELF	CRL1206-FW-3R30ELF	CR1206-F/-3R30ELF
CRL0805-FW-1R20ELF	CR0805-F/-1R20ELF	CRL1206-FW-3R60ELF	CR1206-F/-3R60ELF
CRL0805-FW-1R30ELF	CR0805-F/-1R30ELF	CRL1206-FW-3R90ELF	CR1206-F/-3R90ELF
CRL0805-FW-1R50ELF	CR0805-F/-1R50ELF	CRL1206-FW-4R30ELF	CR1206-F/-4R30ELF
CRL0805-FW-1R60ELF	CR0805-F/-1R60ELF	CRL1206-FW-4R70ELF	CR1206-F/-4R70ELF
CRL0805-FW-1R80ELF	CR0805-F/-1R80ELF	CRL1206-FW-4R99ELF	CR1206-F/-4R99ELF
CRL0805-FW-2R00ELF	CR0805-F/-2R00ELF	CRL1206-FW-5R10ELF	CR1206-F/-5R10ELF
CRL0805-FW-2R20ELF	CR0805-F/-2R20ELF	CRL1206-FW-5R60ELF	CR1206-F/-5R60ELF
CRL0805-FW-2R40ELF	CR0805-F/-2R40ELF	CRL1206-FW-6R20ELF	CR1206-F/-6R20ELF
CRL0805-FW-2R70ELF	CR0805-F/-2R70ELF	CRL1206-FW-6R80ELF	CR1206-F/-6R80ELF
CRL0805-FW-3R00ELF	CR0805-F/-3R00ELF	CRL1206-FW-7R50ELF	CR1206-F/-7R50ELF
CRL0805-FW-3R30ELF	CR0805-F/-3R30ELF	CRL1206-FW-8R20ELF	CR1206-F/-8R20ELF
CRL0805-FW-3R32ELF	CR0805-F/-3R32ELF	CRL1206-FW-9R10ELF	CR1206-F/-9R10ELF

Obsolete Part Number	Recommended Replacement Part Number	Obsolete Part Number	Recommended Replacement Part Number
CRL2010-FW-1R00ELF	CR2010-F/-1R00ELF	CRL2512-FW-1R10ELF	CR2512-F/-1R10ELF
CRL2010-FW-1R10ELF	CR2010-F/-1R10ELF	CRL2512-FW-1R20ELF	CR2512-F/-1R20ELF
CRL2010-FW-1R20ELF	CR2010-F/-1R20ELF	CRL2512-FW-1R30ELF	CR2512-F/-1R30ELF
CRL2010-FW-1R30ELF	CR2010-F/-1R30ELF	CRL2512-FW-1R50ELF	CR2512-F/-1R50ELF
CRL2010-FW-1R50ELF	CR2010-F/-1R50ELF	CRL2512-FW-1R60ELF	CR2512-F/-1R60ELF
CRL2010-FW-1R60ELF	CR2010-F/-1R60ELF	CRL2512-FW-1R80ELF	CR2512-F/-1R80ELF
CRL2010-FW-1R80ELF	CR2010-F/-1R80ELF	CRL2512-FW-2R00ELF	CR2512-F/-2R00ELF
CRL2010-FW-2R00ELF	CR2010-F/-2R00ELF	CRL2512-FW-2R20ELF	CR2512-F/-2R20ELF
CRL2010-FW-2R20ELF	CR2010-F/-2R20ELF	CRL2512-FW-2R40ELF	CR2512-F/-2R40ELF
CRL2010-FW-2R40ELF	CR2010-F/-2R40ELF	CRL2512-FW-2R70ELF	CR2512-F/-2R70ELF
CRL2010-FW-2R70ELF	CR2010-F/-2R70ELF	CRL2512-FW-3R00ELF	CR2512-F/-3R00ELF
CRL2010-FW-3R00ELF	CR2010-F/-3R00ELF	CRL2512-FW-3R30ELF	CR2512-F/-3R30ELF
CRL2010-FW-3R30ELF	CR2010-F/-3R30ELF	CRL2512-FW-3R60ELF	CR2512-F/-3R60ELF
CRL2010-FW-3R60ELF	CR2010-F/-3R60ELF	CRL2512-FW-3R90ELF	CR2512-F/-3R90ELF
CRL2010-FW-3R90ELF	CR2010-F/-3R90ELF	CRL2512-FW-4R30ELF	CR2512-F/-4R30ELF
CRL2010-FW-4R30ELF	CR2010-F/-4R30ELF	CRL2512-FW-4R70ELF	CR2512-F/-4R70ELF
CRL2010-FW-4R70ELF	CR2010-F/-4R70ELF	CRL2512-FW-5R10ELF	CR2512-F/-5R10ELF
CRL2010-FW-5R10ELF	CR2010-F/-5R10ELF	CRL2512-FW-5R60ELF	CR2512-F/-5R60ELF
CRL2010-FW-5R60ELF	CR2010-F/-5R60ELF	CRL2512-FW-6R20ELF	CR2512-F/-6R20ELF
CRL2010-FW-6R20ELF	CR2010-F/-6R20ELF	CRL2512-FW-6R80ELF	CR2512-F/-6R80ELF
CRL2010-FW-6R80ELF	CR2010-F/-6R80ELF	CRL2512-FW-7R50ELF	CR2512-F/-7R50ELF
CRL2010-FW-7R50ELF	CR2010-F/-7R50ELF	CRL2512-FW-8R20ELF	CR2512-F/-8R20ELF
CRL2010-FW-8R20ELF	CR2010-F/-8R20ELF	CRL2512-FW-9R10ELF	CR2512-F/-9R10ELF
CRL2010-FW-9R10ELF	CR2010-F/-9R10ELF		
CRL2512-FW-1R00ELF	CR2512-F/-1R00ELF		