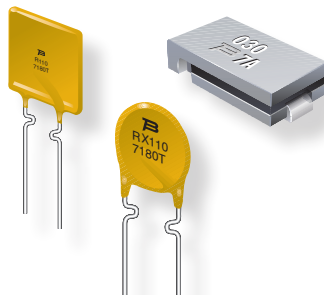


# Product Obsolescence Memo

## MULTIFUSE® PPTC RESETTABLE FUSES

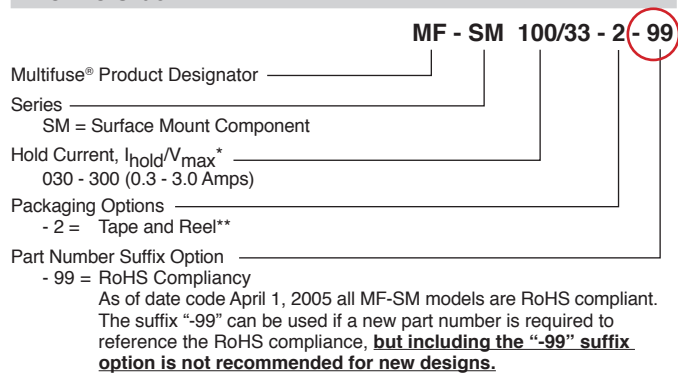


June 6, 2018

## Select Multifuse® Products with Part Number Suffix -99 to be Discontinued

To streamline the part numbering system for select Bourns® Multifuse® product series, part numbers that include the “-99” suffix option will be phased out over the next 18 months with a last time order date of September 30th, 2019 and a last time ship date of December 31st, 2019. Customers using Bourns® Multifuse® part numbers with the “-99” suffix option are encouraged to begin transitioning to the standard part number without the “-99” suffix as listed in Table 1. See the “How to Order” example below for reference to the “-99” suffix option.

### How to Order



\*  $V_{max}$  entry applies only to models MF-SM075/60, MF-SM100/33, MF-SM150/33 & MF-SM185/33.  
\*\* Packaged per EIA-481-2

The following three Bourns® Multifuse® product series are impacted by this planned obsolescence:

- [MF-R Series](#)
- [MF-RX Series](#)
- [MF-SM Series](#)

The “-99” suffix option was originally introduced by the Bourns Multifuse Product Line to identify RoHS complaint products from non-RoHS compliant products. As of date code April 1, 2005, all Bourns® Multifuse® MF-R, MF-RX, and MF-SM models are RoHS compliant\*. Products with and without the “-99” suffix are all RoHS compliant\*, halogen free\*\* and are the exact same product produced in the same factory and on the

same production lines. There are no differences in form, fit, function, quality, or reliability. Table 1 lists the “-99” part numbers that will be phased out and the recommended alternative standard part numbers. Bourns will continue to warrant “-99” suffix part numbers purchased from authorized Bourns sources in accordance with its applicable terms and conditions of sale.

\* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

\*\*Bourns considers a product to be “halogen free” if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

MF1809

Select Multifuse® Products with Part Number Suffix -99 to be Discontinued

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Please plan for the following deadlines:

*Last time buy date for part numbers with the -99 suffix: **September 30, 2019***

*Last time ship date for part numbers with the -99 suffix: **December 31, 2019***

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

**Table 1**

<b>"-99" Part Numbers Being Phased Out</b>	<b>Standard Replacement Part Numbers</b>	<b>Additional Comments</b>
MF-R005-0-99	MF-R005-0	
MF-R005-2-99	MF-R005-2	
MF-R005-AP-99	MF-R005-AP	
MF-R010-0-99	MF-R010	
MF-R010-0-A0-99	MF-R010-0-A0	Custom Product
MF-R010-2-99	MF-R010-2	
MF-R010-AP-99	MF-R010-AP	
MF-R017-0-99	MF-R017	
MF-R017-2-99	MF-R017-2	
MF-R017-AP-99	MF-R017-AP	
MF-R020-0-99	MF-R020	
MF-R020-2-99	MF-R020-2	
MF-R020-AP-99	MF-R020-AP	
MF-R025-0-99	MF-R025	
MF-R025-2-99	MF-R025-2	
MF-R025-AP-99	MF-R025-AP	
MF-R030-0-99	MF-R030	
MF-R030-0-A0-99	MF-R030-0-A0	Custom Product
MF-R030-2-99	MF-R030-2	
MF-R030-AP-99	MF-R030-AP	
MF-R040-0-99	MF-R040	
MF-R040-2-99	MF-R040-2	
MF-R040-AP-99	MF-R040-AP	
MF-R050-0-99	MF-R050	
MF-R050-2-99	MF-R050-2	
MF-R050-AP-99	MF-R050-AP	
MF-R065-0-99	MF-R065	
MF-R065-2-99	MF-R065-2	
MF-R065-AP-99	MF-R065-AP	
MF-R075-0-99	MF-R075	
MF-R075-0-A0-99	MF-R075-0-A0	Custom Product
MF-R075-2-99	MF-R075-2	
MF-R075-2-14-99	MF-R075-2-14	
MF-R075-AP-99	MF-R075-AP	
MF-R090-0-99	MF-R090	
MF-R090-2-99	MF-R090-2	
MF-R090-AP-99	MF-R090-AP	
MF-R090-0-9-99	MF-R090-0-9	
MF-R090-2-9-99	MF-R090-2-9	
MF-R090-AP-9-99	MF-R090-AP-9	

<b>"-99" Part Numbers Being Phased Out</b>	<b>Standard Replacement Part Numbers</b>	<b>Additional Comments</b>
MF-R110-0-99	MF-R110	
MF-R110-2-99	MF-R110-2	
MF-R110-AP-99	MF-R110-AP	
MF-R135-0-99	MF-R135	
MF-R135-2-99	MF-R135-2	
MF-R135-AP-99	MF-R135-AP	
MF-R160-0-99	MF-R160	
MF-R160-2-99	MF-R160-2	
MF-R160-AP-99	MF-R160-AP	
MF-R185-0-99	MF-R185	
MF-R185-2-99	MF-R185-2	
MF-R185-AP-99	MF-R185-AP	
MF-R250-0-99	MF-R250	
MF-R250-2-99	MF-R250-2	
MF-R250-AP-99	MF-R250-AP	
MF-R250-0-10-99	MF-R250-0-10	
MF-R250-2-10-99	MF-R250-2-10	
MF-R250-AP-10-99	MF-R250-AP-10	
MF-R300-0-99	MF-R300	
MF-R300-2-99	MF-R300-2	
MF-R300-2-14-99	MF-R300-2-14	
MF-R300-AP-99	MF-R300-AP	
MF-R400-0-99	MF-R400	
MF-R400-0-15-99	MF-R400-0-15	Custom Product
MF-R400-2-99	MF-R400-2	
MF-R400-2-14-99	MF-R400-2-14	
MF-R400-AP-99	MF-R400-AP	
MF-R500-0-99	MF-R500	
MF-R500-2-99	MF-R500-2	
MF-R500-AP-99	MF-R500-AP	
MF-R600-0-99	MF-R600	
MF-R600-2-99	MF-R600-2	
MF-R600-AP-99	MF-R600-AP	
MF-R700-0-99	MF-R700	
MF-R700-2-99	MF-R700-2	
MF-R700-AP-99	MF-R700-AP	
MF-R800-0-99	MF-R800	
MF-R800-2-99	MF-R800-2	
MF-R800-AP-99	MF-R800-AP	
MF-R900-0-99	MF-R900	

**Table 1 (Continued)**

<b>“-99” Part Numbers Being Phased Out</b>	<b>Standard Replacement Part Numbers</b>	<b>Additional Comments</b>
MF-R900-2-99	MF-R900-2	
MF-R900-AP-99	MF-R900-AP	
MF-R1100-0-99	MF-R1100	
MF-R1100-2-99	MF-R1100-2	
MF-R1100-AP-99	MF-R1100-AP	
MF-RX110-0-99	MF-RX110	
MF-RX110-2-99	MF-RX110-2	
MF-RX110-AP-99	MF-RX110-AP	
MF-RX135-0-99	MF-RX135	
MF-RX135-2-99	MF-RX135-2	
MF-RX135-AP-99	MF-RX135-AP	
MF-RX160-0-99	MF-RX160	
MF-RX160-2-99	MF-RX160-2	
MF-RX160-AP-99	MF-RX160-AP	
MF-RX160-0-99	MF-RX160	
MF-RX160-2-99	MF-RX160-2	
MF-RX160-AP-99	MF-RX160-AP	
MF-RX185-0-99	MF-RX185	
MF-RX185-2-99	MF-RX185-2	
MF-RX185-0-14-99	MF-RX185-0-14	
MF-RX185-2-14-99	MF-RX185-2-14	
MF-RX250-0-99	MF-RX250	
MF-RX250-2-99	MF-RX250-2	
MF-RX250-AP-99	MF-RX250-AP	
MF-RX300-0-99	MF-RX300	
MF-RX300-2-99	MF-RX300-2	
MF-RX300-AP-99	MF-RX300-AP	
MF-RX375-0-99	MF-RX375	
MF-RX375-2-99	MF-RX375-2	
MF-RX375-AP-99	MF-RX375-AP	
MF-RX375/72-2-99	MF-RX375/72-2	
MF-SM030-2-99	MF-SM030-2	
MF-SM050-2-99	MF-SM050-2	
MF-SM075-2-99	MF-SM075-2	
MF-SM075/60-2-99	MF-SM075/60-2	
MF-SM100-2-99	MF-SM100-2	
MF-SM100/33-2-99	MF-SM100/33-2	
MF-SM125-2-99	MF-SM125-2	
MF-SM150-2-99	MF-SM150-2	
MF-SM150/33-2-99	MF-SM150/33-2	
MF-SM200-2-99	MF-SM200-2	
MF-SM250-2-99	MF-SM250-2	
MF-SM260-2-99	MF-SM260-2	
MF-SM300-2-99	MF-SM300-2	