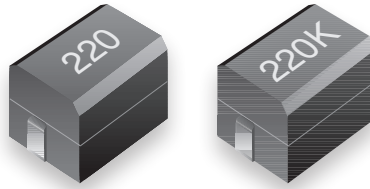


# PRODUCT CHANGE NOTIFICATION

## MAGNETICS

REVISED JANUARY 28, 2022  
(see page 4)



## Improvement to Moisture Sensitivity Level Rating and Design Change

### *Model CC453232, CM322522, CM453232, PM1210 and PM1812 Chip Inductor Series*

Riverside, California – May 25, 2021 – Effective November 14, 2021, Bourns will upgrade the Moisture Sensitivity Level (MSL) rating, indicating a component's susceptibility to damage due to absorbed moisture when subjected to reflow soldering, from MSL 3 to MSL 1 for the Model [CC453232](#), [CM322522](#), [CM453232](#), [PM1210](#) and [PM1812](#) Chip Inductor Series. With an MSL 1 rating, the Floor Life (i.e., maximum exposure period to ambient room conditions) of the rated component is considered to be unlimited in a controlled storage environment as defined by the JEDEC J-STD-033B standard. The Floor Life of a component with an MSL 3 rating is 168 hours. A list of affected part numbers are included below.

To achieve the upgraded MSL rating, the magnet wire insulation and coating material of the affected models will be changed.

A Moisture Barrier Bag, Humidity Indicator Card and Moisture Sensitive ID Label are not required in the packaging of MSL 1 rated components.

The form, fit and function of the inductor remain unchanged. The reliability and quality of the inductor should be improved from the modifications supporting the MSL upgrade. Samples are available upon request.

Implementation dates are as follows:

Date that manufacturing of existing design will cease: **November 13, 2021**

Date that deliveries of modified design will begin: **November 14, 2021**

First date code using the above changes: **2146**

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

**Affected Part Numbers**

**CC453232 Series**

CC453232-1R0KL	CC453232-3R9KL	CC453232-150KL	CC453232-680KL	CC453232-331KL
CC453232-1R2KL	CC453232-4R7KL	CC453232-180KL	CC453232-820KL	CC453232-391KL
CC453232-1R5KL	CC453232-4R7KHL	CC453232-220KL	CC453232-101KL	CC453232-471KL
CC453232-1R8KL	CC453232-6R8KL	CC453232-270KL	CC453232-121KL	CC453232-561KL
CC453232-2R2KL	CC453232-8R2KL	CC453232-330KL	CC453232-151KL	CC453232-681KL
CC453232-2R2KHL	CC453232-100KL	CC453232-390KL	CC453232-181KL	
CC453232-2R7KL	CC453232-100KHL	CC453232-470KL	CC453232-221KL	
CC453232-3R3KL	CC453232-120KL	CC453232-560KL	CC453232-271KL	

**Affected Part Numbers**

**CM322522 Series**

CM322522-R12ML	CM322522-8R2ML	CM322522-R66KL	CM322522-390KL	CM322522-3R3JL
CM322522-R15ML	CM322522-100ML	CM322522-R68KL	CM322522-470KL	CM322522-3R9JL
CM322522-R18ML	CM322522-120ML	CM322522-R82KL	CM322522-560KL	CM322522-4R7JL
CM322522-R22ML	CM322522-150ML	CM322522-1R0KL	CM322522-680KL	CM322522-5R6JL
CM322522-R27ML	CM322522-180ML	CM322522-1R2KL	CM322522-820KL	CM322522-6R8JL
CM322522-R33ML	CM322522-220ML	CM322522-1R5KL	CM322522-101KL	CM322522-8R2JL
CM322522-R39ML	CM322522-270ML	CM322522-1R8KL	CM322522-121KL	CM322522-100JL
CM322522-R47ML	CM322522-330ML	CM322522-2R2KL	CM322522-151KL	CM322522-120JL
CM322522-R56ML	CM322522-390ML	CM322522-2R7KL	CM322522-R22JL	CM322522-150JL
CM322522-R68ML	CM322522-470ML	CM322522-3R3KL	CM322522-R27JL	CM322522-180JL
CM322522-R82ML	CM322522-560ML	CM322522-3R9KL	CM322522-R33JL	CM322522-220JL
CM322522-1R0ML	CM322522-680ML	CM322522-4R7KL	CM322522-R39JL	CM322522-270JL
CM322522-1R2ML	CM322522-820ML	CM322522-5R6KL	CM322522-R47JL	CM322522-330JL
CM322522-1R5ML	CM322522-101ML	CM322522-6R8KL	CM322522-R56JL	CM322522-390JL
CM322522-1R8ML	CM322522-121ML	CM322522-8R2KL	CM322522-R68JL	CM322522-470JL
CM322522-2R2ML	CM322522-151ML	CM322522-100KL	CM322522-R82JL	CM322522-560JL
CM322522-2R7ML	CM322522-R22KL	CM322522-120KL	CM322522-1R0JL	CM322522-680JL
CM322522-3R3ML	CM322522-R27KL	CM322522-150KL	CM322522-1R2JL	CM322522-820JL
CM322522-3R9ML	CM322522-R33KL	CM322522-180KL	CM322522-1R5JL	CM322522-101JL
CM322522-4R7ML	CM322522-R39KL	CM322522-220KL	CM322522-1R8JL	CM322522-121JL
CM322522-5R6ML	CM322522-R47KL	CM322522-270KL	CM322522-2R2JL	CM322522-151JL
CM322522-6R8ML	CM322522-R56KL	CM322522-330KL	CM322522-2R7JL	

Affected Part Numbers				
CM453232 Series				
CM453232-R10KL	CM453232-4R7KL	CM453232-221KL	CM453232-R82JL	CM453232-390JL
CM453232-R12KL	CM453232-5R6KL	CM453232-271KL	CM453232-1R0JL	CM453232-470JL
CM453232-R15KL	CM453232-6R8KL	CM453232-331KL	CM453232-1R2JL	CM453232-560JL
CM453232-R18KL	CM453232-8R2KL	CM453232-391KL	CM453232-1R5JL	CM453232-680JL
CM453232-R22KL	CM453232-100KL	CM453232-471KL	CM453232-1R8JL	CM453232-820JL
CM453232-R27KL	CM453232-120KL	CM453232-561KL	CM453232-2R2JL	CM453232-101JL
CM453232-R33KL	CM453232-150KL	CM453232-681KL	CM453232-2R7JL	CM453232-121JL
CM453232-R39KL	CM453232-180KL	CM453232-821KL	CM453232-3R3JL	CM453232-151JL
CM453232-R47KL	CM453232-220KL	CM453232-102KL	CM453232-3R9JL	CM453232-181JL
CM453232-R56KL	CM453232-270KL	CM453232-R10JL	CM453232-4R7JL	CM453232-221JL
CM453232-R68KL	CM453232-330KL	CM453232-R12JL	CM453232-5R6JL	CM453232-271JL
CM453232-R82KL	CM453232-390KL	CM453232-R15JL	CM453232-6R8JL	CM453232-331JL
CM453232-1R0KL	CM453232-470KL	CM453232-R18JL	CM453232-8R2JL	CM453232-391JL
CM453232-1R2KL	CM453232-560KL	CM453232-R22JL	CM453232-100JL	CM453232-471JL
CM453232-1R5KL	CM453232-680KL	CM453232-R27JL	CM453232-120JL	CM453232-561JL
CM453232-1R8KL	CM453232-820KL	CM453232-R33JL	CM453232-150JL	CM453232-681JL
CM453232-2R2KL	CM453232-101KL	CM453232-R39JL	CM453232-180JL	CM453232-821JL
CM453232-2R7KL	CM453232-121KL	CM453232-R47JL	CM453232-220JL	CM453232-102JL
CM453232-3R3KL	CM453232-151KL	CM453232-R56JL	CM453232-270JL	
CM453232-3R9KL	CM453232-181KL	CM453232-R68JL	CM453232-330JL	

Additional Affected Part Numbers:

CM453232-R10ML	CM453232-R12ML	CM453232-R15ML	CM453232-R18ML	CM453232-R22ML
CM453232-R27ML	CM453232-R33ML	CM453232-R39ML	CM453232-R47ML	CM453232-R56ML
CM453232-R68ML	CM453232-R82ML			

Affected Part Numbers				
PM1210 Series				
PM1210-1R0J-RC	PM1210-3R3J-RC	PM1210-100J-RC	PM1210-330J-RC	PM1210-101J-RC
PM1210-1R2J-RC	PM1210-3R9J-RC	PM1210-120J-RC	PM1210-390J-RC	PM1210-121J-RC
PM1210-1R5J-RC	PM1210-4R7J-RC	PM1210-150J-RC	PM1210-470J-RC	PM1210-151J-RC
PM1210-1R8J-RC	PM1210-5R6J-RC	PM1210-180J-RC	PM1210-560J-RC	
PM1210-2R2J-RC	PM1210-6R8J-RC	PM1210-220J-RC	PM1210-680J-RC	
PM1210-2R7J-RC	PM1210-8R2J-RC	PM1210-270J-RC	PM1210-820J-RC	

Affected Part Numbers				
PM1812 Series				
PM1812-R10K-RC	PM1812-R68K-RC	PM1812-4R7J-RC	PM1812-330J-RC	PM1812-221J-RC
PM1812-R12K-RC	PM1812-R82K-RC	PM1812-5R6J-RC	PM1812-390J-RC	PM1812-271J-RC
PM1812-R15K-RC	PM1812-1R0J-RC	PM1812-6R8J-RC	PM1812-470J-RC	PM1812-331J-RC
PM1812-R18K-RC	PM1812-1R2J-RC	PM1812-8R2J-RC	PM1812-560J-RC	PM1812-391J-RC
PM1812-R22K-RC	PM1812-1R5J-RC	PM1812-100J-RC	PM1812-680J-RC	PM1812-471J-RC
PM1812-R27K-RC	PM1812-1R8J-RC	PM1812-120J-RC	PM1812-820J-RC	PM1812-561J-RC
PM1812-R33K-RC	PM1812-2R2J-RC	PM1812-150J-RC	PM1812-101J-RC	PM1812-681J-RC
PM1812-R39K-RC	PM1812-2R7J-RC	PM1812-180J-RC	PM1812-121J-RC	PM1812-821J-RC
PM1812-R47K-RC	PM1812-3R3J-RC	PM1812-220J-RC	PM1812-151J-RC	PM1812-102J-RC
PM1812-R56K-RC	PM1812-3R9J-RC	PM1812-270J-RC	PM1812-181J-RC	