BOURNS®

PRODUCT CHANGE **NOTIFICATION**

MAGNETICS

Bourns® Model DR331, DR333, DR334, & SRF0905 Series Common Mode Chokes

Change in Source of Supply for Inductor Core

Riverside California – April 4, 2023 – In order to support our fast-growing demand and enhance continuity of supply, effective April 30, 2023, Bourns will change its ferrite core material supplier for select Model DR331, DR333, DR334, and SRF0905 Series Common Mode Chokes. The new supplier has been qualified and is included in the Bourns Authorized Vendor List.

The material characteristics of the cores from the new supplier are compared to the characteristics of the existing cores in the following tables:

Core Characteristics (Inductance 10~51 µH)	Existing Source	New Source
Initial Permeability	450 ±25 %	600 ±20 %
Saturation Flux Density (mT)	310	400
Relative Loss Factor (tanδ/µi)	$<20x10^{-6}$	$<30 \times 10^{-6}$
Curie Temperature (°C)	>160	> 200

Core 2 Characteristics (Inductance 100~500 µH)	Existing Source	New Source 1	New Source 2
Initial Permeability	7000 ±25 %	7000 ±25 %	7000 ±25 %
Saturation Flux Density (mT)	420	410	400
Relative Loss Factor (tanδ/µi)	$< 3x 10^{-6}$	$< 5 \times 10^{-6}$	$< 8 \times 10^{-6}$
Curie Temperature (°C)	> 140	> 130	≥130

Core 3 Characteristics (Inductance 1000~2200 µH)	Existing Source	New Source 1	New Source 2
Initial Permeability	10000 ±30 %	10000 ±30 %	10000 ±30 %
Saturation Flux Density (mT)	430	400	390
Relative Loss Factor (tanδ/µi)	$< 2.6 \times 10^{-6}$	$< 5 \times 10^{-6}$	$< 10 \times 10^{-6}$
Curie Temperature (°C)	> 130	> 120	≥125

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

IC22137

Americas: Tel +1-951 781-5500
americus@bourns.com

EMEA: Tel +36 88 885 877
eurocus@bourns.com

Asia-Pacific: Tel +886-2 256 241 17
asiacus@bourns.com

The form, fit, function, quality, relability and country of origin of the affected chokes will not change. The change of supplier will not change the data sheet specifications for the affected choke models. The production lead time of these chokes will remain the same. Traceability will be maintained through lot code and date code.

A list of affected part numbers is included below.

Affected Part Numbers
DR331-105BE
DR331-225BE
DR331-474AE
DR331-474BE
DR333-224AE
DR334-474BE
SRF0905-100Y
SRF0905-102Y
SRF0905-202Y
SRF0905-250Y
SRF0905-251Y
SRF0905-400Y
SRF0905-471Y
SRF0905-500Y
SRF0905-501Y

Samples built using cores from the new supplier are available upon request. Bourns recommends that customers test the affected part numbers in their specific applications for verification of satisfactory performance.

Implementation dates are as follows:

Date that deliveries of products manufactured using cores from the new supplier will begin: ***April 30, 2023***
First date code using cores from the new supplier: ***2318***

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