BOURNS®

PRODUCT CHANGE **NOTIFICATION**

MAGNETICS

Bourns® Model 1110, 1120 and 1140 Series High Current Chokes

Additional Source of Supply for Inductor Core

Riverside California – November 4, 2022 – In order to support our fast-growing demand and improve the flexibility of material management and sourcing lead time, effective November 7, 2022 Bourns will begin using an additional ferrite core material supplier for the Model 1110, 1120 and 1140 Series High Current Chokes. The additional supplier has been qualified and included in the Authorized Vendor List.

The material characteristics of the core from the additional supplier are compared to the characteristics of the core from the existing supplier in the following tables:

1110 & 1120 Series Core Characteristics	Existing Source	Additional Source
Initial Permeability	2000	2000
Saturation Flux Density (mT)	510	520

1140 Core Characteristics	Existing Source	Additional Source
Initial Permeability	2800	3000
Saturation Flux Density (mT)	510	530
Curie Temperature (°C)	> 180	≥ 220

The use of the core from the additional supplier will not change the data sheet specifications for the Model 1110, 1120 and 1140 Series High Current Chokes. The form, fit, function, quality and reliability of the inductor will not be affected by the core used. Traceability will be maintained through lot code and date code. A list of affected part numbers is included on page 2.

Samples built using cores from the additional inductor core supplier are available upon request. Bourns recommends that customers test the affected part number(s) made with the new core in their specific applications for verification of satisfactory performance.

Implementation dates are as follows:

Date that deliveries of products manufactured using cores from both sources will begin: ***November 7, 2022***

First date code using cores from both sources: ***2245***

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

IC22086

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

Affected Part Numbers			
1110-100K-RC	1110-6R8M-RC	1120-3R9M-RC	1140-222K-RC
1110-101K-RC	1110-820K-RC	1120-470K-RC	1140-270K-RC
1110-120K-RC	1110-8R2M-RC	1120-471K-RC	1140-271K-RC
1110-121K-RC	1120-100K-RC	1120-4R7M-RC	1140-272K-RC
1110-150K-RC	1120-101K-RC	1120-560K-RC	1140-2R2M-RC
1110-151K-RC	1120-102K-RC	1120-561K-RC	1140-2R7M-RC
1110-180K-RC	1120-120K-RC	1120-5R6M-RC	1140-330K-RC
1110-181K-RC	1120-121K-RC	1120-680K-RC	1140-331K-RC
1110-1R0M-RC	1120-122K-RC	1120-681K-RC	1140-332K-RC
1110-1R2M-RC	1120-150K-RC	1120-6R8M-RC	1140-390K-RC
1110-1R5M-RC	1120-151K-RC	1120-820K-RC	1140-391K-RC
1110-1R8M-RC	1120-152K-RC	1120-821K-RC	1140-392K-RC
1110-220K-RC	1120-180K-RC	1120-8R2M-RC	1140-3R3M-RC
1110-221K-RC	1120-181K-RC	1140-100K-RC	1140-3R9M-RC
1110-270K-RC	1120-182K-RC	1140-101K-RC	1140-470K-RC
1110-271K-RC	1120-1R0M-RC	1140-102K-RC	1140-471K-RC
1110-2R2M-RC	1120-1R2M-RC	1140-103K-RC	1140-472K-RC
1110-2R7M-RC	1120-1R5M-RC	1140-120K-RC	1140-4R7M-RC
1110-330K-RC	1120-1R8M-RC	1140-121K-RC	1140-560K-RC
1110-331K-RC	1120-220K-RC	1140-122K-RC	1140-561K-RC
1110-390K-RC	1120-221K-RC	1140-123K-RC	1140-562K-RC
1110-391K-RC	1120-222K-RC	1140-150K-RC	1140-5R6M-RC
1110-3R3M-RC	1120-270K-RC	1140-151K-RC	1140-680K-RC
1110-3R9M-RC	1120-271K-RC	1140-152K-RC	1140-681K-RC
1110-470K-RC	1120-2R2M-RC	1140-153K-RC	1140-682K-RC
1110-471K-RC	1120-2R7M-RC	1140-180K-RC	1140-6R8M-RC
1110-4R7M-RC	1120-330K-RC	1140-181K-RC	1140-820K-RC
1110-560K-RC	1120-331K-RC	1140-182K-RC	1140-821K-RC
1110-561K-RC	1120-390K-RC	1140-1R8M-RC	1140-822K-RC
1110-5R6M-RC	1120-391K-RC	1140-220K-RC	1140-8R2M-RC
1110-680K-RC	1120-3R3M-RC	1140-221K-RC	

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

1110-100K-RC	1120-100K-RC	1140-100K-RC
1110-101K-RC	1120-101K-RC	1140-101K-RC
1110-120K-RC	1120-102K-RC	1140-102K-RC
1110-121K-RC	1120-120K-RC	1140-103K-RC
1110-150K-RC	1120-121K-RC	1140-120K-RC
1110-151K-RC	1120-122K-RC	1140-121K-RC
1110-180K-RC	1120-150K-RC	1140-122K-RC
1110-181K-RC	1120-151K-RC	1140-123K-RC
1110-1R0M-RC	1120-152K-RC	1140-150K-RC
1110-1R2M-RC	1120-180K-RC	1140-151K-RC
1110-1R5M-RC	1120-181K-RC	1140-152K-RC
1110-1R8M-RC	1120-182K-RC	1140-153K-RC
1110-220K-RC	1120-1R0M-RC	1140-180K-RC
1110-221K-RC	1120-1R2M-RC	1140-181K-RC
1110-270K-RC	1120-1R5M-RC	1140-182K-RC
1110-271K-RC	1120-1R8M-RC	1140-1R8M-RC
1110-2R2M-RC	1120-220K-RC	1140-220K-RC
1110-2R7M-RC	1120-221K-RC	1140-221K-RC
1110-330K-RC	1120-222K-RC	1140-222K-RC
1110-331K-RC	1120-270K-RC	1140-270K-RC
1110-390K-RC	1120-271K-RC	1140-271K-RC
1110-391K-RC	1120-2R2M-RC	1140-272K-RC
1110-3R3M-RC	1120-2R7M-RC	1140-2R2M-RC
1110-3R9M-RC	1120-330K-RC	1140-2R7M-RC
1110-470K-RC	1120-331K-RC	1140-330K-RC
1110-471K-RC	1120-390K-RC	1140-331K-RC
1110-4R7M-RC	1120-391K-RC	1140-332K-RC
1110-560K-RC	1120-3R3M-RC	1140-390K-RC
1110-561K-RC	1120-3R9M-RC	1140-391K-RC
1110-5R6M-RC	1120-470K-RC	1140-392K-RC
1110-680K-RC	1120-471K-RC	1140-3R3M-RC
1110-6R8M-RC	1120-4R7M-RC	1140-3R9M-RC
1110-820K-RC	1120-560K-RC	1140-470K-RC
1110-8R2M-RC	1120-561K-RC	1140-471K-RC
	1120-5R6M-RC	1140-472K-RC
	1120-680K-RC	1140-4R7M-RC
	1120-681K-RC	1140-560K-RC
	1120-6R8M-RC	1140-561K-RC
	1120-820K-RC	1140-562K-RC
	1120-821K-RC	1140-5R6M-RC
	1120-8R2M-RC	1140-680K-RC
		1140-681K-RC
		1140-682K-RC
		1140-6R8M-RC
		1140-820K-RC
		1140-821K-RC
		1140-822K-RC
		1140-8R2M-RC