

## **Product Change Notification**



Product Group: Draloric/Beyschlag Resistors / December 16th, 2021 / PCN-DBR-00015-2021 Rev0

## Chip resistors backend capacity expansion - plating

**DESCRIPTION OF CHANGE:** Introduction of the plating process in Huizhou, China, as part of the chip resistors backend capacity expansion. There will be no change in product specification, product quality or part number.

**CLASSIFICATION OF CHANGE:** Assembly site

**REASON FOR CHANGE:** To meet increasing demand of chip resistors, to increase flexibility and improve lead times, additional backend capacity will be installed in a new plant.

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE: None

**PRODUCT CATEGORY: Resistors** 

PART NUMBERS/SERIES/FAMILIES AFFECTED: Thick Film 0402 and Thick Film 0603, part number

details see in Appendix A

**REPLACEMENTS:** not applicable

VISHAY BRAND(s): Vishay

TIME SCHEDULE:

Start Shipment Date: February 15<sup>th</sup>,2022

Last Time Buy Date: N/A
Last Time Shipment Date: N/A

**SAMPLE AVAILABILITY:** available

PRODUCT IDENTIFICATION: delivery plant 9522 in batch code

QUALIFICATION DATA: available

This PCN is considered approved, without further notification, unless we receive specific customer concerns before February 15<sup>th</sup>, 2022 or as specified by contract.

ISSUED BY: Alina Braunstein, Product Manager Thick Film Resistors, alina.braunstein@vishay.com

For further information, please contact your regional Vishay office:

The AmericasEuropeAsiaVishav AmericasVishay Electronic GmbhVishay Intertechnology Asia Pte

Vishay Americas
Vishay Electronic Gmbh
1122 23<sup>rd</sup> Street
Dr Felix Zandman Platz 1
Columbus, NE
Selb
68601
D-95100
United States
Germany

 Phone:
 1-402-564-3131
 Phone:
 49-9287-71-0
 Phone:
 65-788-6688

 Fax:
 1-402-563-6565
 Fax:
 49-9287-70435
 Fax:
 65-788-0988

Vishay Intertechnology,

25 Tampines Street 92

Keppel Building #02-00

528877

Singapore

Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 www.vishay.com

## Appendix A

<u>PartNumber</u>	<u>Description</u>
CRCW0402XXXXXXED	D10/CRCW0402 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
CRCW0402XXXXXXEE	D10/CRCW0402 0 Ω, 1 Ω - 10 MΩ, Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
CRCW0603XXXXXXEA	D11/CRCW0603 0 Ω, 1 Ω - 10 MΩ, Lead free, 5 kpcs, 7" plastic reel, 4 mm pitch
CRCW0603XXXXXXEB	D11/CRCW0603 0 Ω, 1 Ω - 10 MΩ, Lead free, 10 kpcs, 11.25" plastic reel, 4 mm pitch
CRCW0603XXXXXXEC	D11/CRCW0603 0 Ω, 1 Ω - 10 MΩ, Lead free, 20 kpcs, 13" plastic reel, 4 mm pitch
CRCW0603XXXXXXEI	D11/CRCW0603 0 Ω, 1 Ω - 10 MΩ, Lead free, 5 kpcs, 7" plastic reel, 2 mm pitch
CRCW0603XXXXXXED	D11/CRCW0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
CRCW0603XXXXXXEL	D11/CRCW0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 20 kpcs, 11.25" plastic reel, 2 mm pitch
CRCW0603XXXXXXEE	D11/CRCW0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
CRCW0402XXXXXXEDP	D10/CRCW0402-P 1 $\Omega$ - 1.1 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
CRCW0402XXXXXXEEP	D10/CRCW0402-P 1 Ω - 1.1 MΩ, Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
CRCW0603XXXXXXEAP	D11/CRCW0603-P 1 Ω - 10 MΩ, Lead free, 5 kpcs, 7" plastic reel, 4 mm pitch
CRCW0603XXXXXXEBP	D11/CRCW0603-P 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 11.25" plastic reel, 4 mm pitch
CRCW0603XXXXXXECP	D11/CRCW0603-P 1 Ω - 10 MΩ, Lead free, 20 kpcs, 13" plastic reel, 4 mm pitch
CRCW0603XXXXXXEIP	D11/CRCW0603-P 1 $\Omega$ - 10 M $\Omega$ , Lead free, 5 kpcs, 7" plastic reel, 2 mm pitch
CRCW0603XXXXXXEDP	D11/CRCW0603-P 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
CRCW0603XXXXXXELP	D11/CRCW0603-P 1 $\Omega$ - 10 M $\Omega$ , Lead free, 20 kpcs, 11.25" plastic reel, 2 mm pitch
CRCW0603XXXXXXEEP	D11/CRCW0603-P 1 $\Omega$ - 10 M $\Omega$ , Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
CRCW0402XXXXXXEDIF	D10/CRCW0402-IF 1 $\Omega$ - 100 k $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
CRCW0402XXXXXXEEIF	D10/CRCW0402-IF 1 $\Omega$ - 100 k $\Omega$ , Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
CRCW0603XXXXXXEAIF	D11/CRCW0603-IF 1 Ω - 100 kΩ, Lead free, 5 kpcs, 7" plastic reel, 4 mm pitch
CRCW0603XXXXXXEBIF	D11/CRCW0603-IF 1 $\Omega$ - 100 k $\Omega$ , Lead free, 10 kpcs, 11.25" plastic reel, 4 mm pitch
CRCW0603XXXXXXECIF	D11/CRCW0603-IF 1 $\Omega$ - 100 k $\Omega$ , Lead free, 20 kpcs, 13" plastic reel, 4 mm pitch
CRCW0603XXXXXXEIIF	D11/CRCW0603-IF 1 $\Omega$ - 100 k $\Omega$ , Lead free, 5 kpcs, 7" plastic reel, 2 mm pitch
CRCW0603XXXXXXEDIF	D11/CRCW0603-IF 1 $\Omega$ - 100 k $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
CRCW0603XXXXXXELIF	D11/CRCW0603-IF 1 $\Omega$ - 100 k $\Omega$ , Lead free, 20 kpcs, 11.25" plastic reel, 2 mm pitch
CRCW0603XXXXXXEEIF	D11/CRCW0603-IF 1 $\Omega$ - 100 k $\Omega$ , Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
CRCW0402XXXXXXEDTR	D10/CRCW0402-TR 0.47 Ω - 10 MΩ, Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
CRCW0402XXXXXXEETR	D10/CRCW0402-TR 0.47 Ω - 10 MΩ, Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
CRCW0603XXXXXXEATR	D11/CRCW0603-TR 0.47 Ω - 10 MΩ, Lead free, 5 kpcs, 7" plastic reel, 4 mm pitch
CRCW0603XXXXXXEBTR	D11/CRCW0603-TR 0.47 Ω - 10 MΩ, Lead free, 10 kpcs, 11.25" plastic reel, 4 mm pitch
CRCW0603XXXXXXECTR	D11/CRCW0603-TR 0.47 $\Omega$ - 10 M $\Omega$ , Lead free, 20 kpcs, 13" plastic reel, 4 mm pitch
CRCW0603XXXXXXEAHR	D11/CRCW0603-HR 11 M $\Omega$ - 470 M $\Omega$ , Lead free, 5 kpcs, 7" plastic. reel, 4 mm pitch
CRCW0603XXXXXXEBHR	D11/CRCW0603-HR 11 M $\Omega$ - 470 M $\Omega$ , Lead free, 3 kpcs, 7 plastic reel, 4 mm pitch
CRCW0603XXXXXXECHR	D11/CRCW0603-HR 11 M $\Omega$ - 470 M $\Omega$ , Lead free, 10 kpcs, 11.23 plast: reel, 4 mm pitch
CRCW0402XXXXXXEDHP	CRCW0402-HP 0 $\Omega$ , 1 $\Omega$ - 1 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
CRCW0402XXXXXXEEHP	CRCW0402-HP 0 $\Omega$ , 1 $\Omega$ - 1 M $\Omega$ , Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
CRCW0603XXXXXXEAHP	CRCW0603-HP 0 $\Omega$ , 1 $\Omega$ - 1 M $\Omega$ , Lead free, 5 kpcs, 7" plastic reel, 4 mm pitch
5.15115555,30000tE/till	2 5 22, 1 22 1 1112, 2566 1155, 5 11pos, 1 pidotto 1551, 1 11111 pitott

CRCW0603XXXXXXEBHP	CRCW0603-HP 0 $\Omega$ , 1 $\Omega$ - 1 M $\Omega$ , Lead free, 10 kpcs, 11.25" plastic reel, 4 mm pitch
CRCW0603XXXXXXECHP	CRCW0603-HP 0 $\Omega$ , 1 $\Omega$ - 1 M $\Omega$ , Lead free, 20 kpcs, 13" plastic reel, 4 mm pitch
CRCW0603XXXXXXEIHP	CRCW0603-HP 0 $\Omega$ , 1 $\Omega$ - 1 M $\Omega$ , Lead free, 5 kpcs, 7" plastic reel, 2 mm pitch
CRCW0603XXXXXXEDHP	CRCW0603-HP 0 $\Omega$ , 1 $\Omega$ - 1 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
CRCW0603XXXXXXELHP	CRCW0603-HP 0 $\Omega$ , 1 $\Omega$ - 1 M $\Omega$ , Lead free, 20 kpcs, 11.25" plastic reel, 2 mm pitch
CRCW0603XXXXXXEEHP	CRCW0603-HP 0 $\Omega$ , 1 $\Omega$ - 1 M $\Omega$ , Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
RCA0402XXXXXXED	RCA0402 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
RCA0402XXXXXXEC	RCA0402 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 20 kpcs, 11.25" plastic reel, 2 mm pitch
RCA0402XXXXXXEE	RCA0402 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
RCA0603XXXXXXEA	RCA0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 5 kpcs, 7" plastic reel, 4 mm pitch
RCA0603XXXXXXEB	RCA0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 11.25" plastic reel, 4 mm pitch
RCA0603XXXXXXEC	RCA0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 20 kpcs, 13" plastic reel, 4 mm pitch
RCA0402XXXXXXEDHP	RCA0402-HP 1 $\Omega$ - 1 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
RCA0402XXXXXXEEHP	RCA0402-HP 1 $\Omega$ - 1 M $\Omega$ , Lead free, 10 kpcs, 7 plastic reel, 2 mm pitch
RCA0603XXXXXXEAHP	RCA0402-HF 1 $\Omega$ - 1 M $\Omega$ , Lead free, 50 kpcs, 13 plastic reel, 2 mm pitch
RCA0603XXXXXXEBHP	RCA0603-HP 1 $\Omega$ - 1 M $\Omega$ , Lead free, 3 kpcs, 7 plastic reel, 4 mm pitch
RCA0603XXXXXXECHP	RCA0603-HP 1 $\Omega$ - 1 M $\Omega$ , Lead free, 10 kpcs, 11.23 plastic reel, 4 mm pitch
RCA0603XXXXXXEIHP	RCA0603-H 1 $\Omega$ - 1 M $\Omega$ , Lead free, 5 kpcs, 7" plastic reel, 2 mm pitch
RCA0603XXXXXXEDHP	RCA0603-HP 1 $\Omega$ - 1 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
RCA0603XXXXXXELHP	RCA0603-HP 1 $\Omega$ - 1 M $\Omega$ , Lead free, 20 kpcs, 11.25" plastic reel, 2 mm pitch
RCA0603XXXXXXEEHP	RCA0603-HP 1 $\Omega$ - 1 M $\Omega$ , Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
	, , , , , , , , , , , , , , , , , , ,
RCA0402XXXXXXEDIF	RCA0402-IF 1 Ω - 100 kΩ, Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
RCA0402XXXXXXEEIF	RCA0402-IF 1 Ω - 100 kΩ, Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
RCA0603XXXXXXEAIF	RCA0603-IF 1 Ω - 100 kΩ, Lead free, 5 kpcs, 7" plastic reel, 4 mm pitch
RCA0603XXXXXXEBIF	RCA0603-IF 1 $\Omega$ - 100 k $\Omega$ , Lead free, 10 kpcs, 11.25" plastic reel, 4 mm pitch
RCA0603XXXXXXECIF	RCA0603-IF 1 $\Omega$ - 100 k $\Omega$ , Lead free, 20 kpcs, 13" plastic reel, 4 mm pitch
RCA0603XXXXXXEIIF	RCA0603-IF 1 $\Omega$ - 100 k $\Omega$ , Lead free, 5 kpcs, 7" plastic reel, 2 mm pitch
RCA0603XXXXXXEDIF	RCA0603-IF 1 Ω - 100 kΩ, Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
RCA0603XXXXXXELIF	RCA0603-IF 1 $\Omega$ - 100 k $\Omega$ , Lead free, 20 kpcs, 11.25" plastic reel, 2 mm pitch
RCA0603XXXXXXEEIF	RCA0603-IF 1 Ω - 100 kΩ, Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
RCC0402XXXXXXED	RCC0402 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
RCC0402XXXXXXEE	RCC0402 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
RCC0603XXXXXXEA	RCC0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 5 kpcs, 7" plastic reel, 4 mm pitch
RCC0603XXXXXXEB	RCC0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 11.25" plastic reel, 4 mm pitch
RCC0603XXXXXXEC	RCC0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 20 kpcs, 13" plastic reel, 4 mm pitch
RCC0603XXXXXXEI	RCC0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 5 kpcs, 7" plastic reel, 2 mm pitch
RCC0603XXXXXXED	RCC0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
RCC0603XXXXXXEL	RCC0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 20 kpcs, 11.25" plastic reel, 2 mm pitch
RCC0603XXXXXXEE	RCC0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
RCG0402XXXXXXED	RCG0402 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
RCG0402XXXXXXEE	RCG0402 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
RCG0603XXXXXXEA	RCG0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 5 kpcs, 7" plastic reel, 4 mm pitch
RCG0603XXXXXXEB	RCG0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 11.25" plastic reel, 4 mm pitch
RCG0603XXXXXXEC	RCG0603 0 Ω, 1 Ω - 10 MΩ, Lead free, 20 kpcs, 13" plastic reel, 4 mm pitch
RCG0603XXXXXXEI	RCG0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 5 kpcs, 7" plastic reel, 2 mm pitch

RCG0603XXXXXXED	RCG0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
RCG0603XXXXXXEL	RCC0603 0 Ω, 1 Ω - 10 MΩ, Lead free, 20 kpcs, 11.25" plastic reel, 2 mm pitch
RCG0603XXXXXXEE	RCG0603 0 Ω, 1 Ω - 10 MΩ, Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
RCS0402XXXXXXED	RCS0402 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
RCS0402XXXXXXEE	RCS0402 0 Ω, 1 Ω - 10 MΩ, Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch
RCS0603XXXXXXEA	RCS0603 0 Ω, 1 Ω - 10 MΩ, Lead free, 5 kpcs, 7" plastic reel, 4 mm pitch
RCS0603XXXXXXEB	RCS0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 11.25" plastic reel, 4 mm pitch
RCS0603XXXXXXEC	RCS0603 0 Ω, 1 Ω - 10 MΩ, Lead free, 20 kpcs, 13" plastic reel, 4 mm pitch
RCS0603XXXXXXEI	RCS0603 0 Ω, 1 Ω - 10 MΩ, Lead free, 5 kpcs, 7" plastic reel, 2 mm pitch
RCS0603XXXXXXED	RCS0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 10 kpcs, 7" plastic reel, 2 mm pitch
RCS0603XXXXXXEL	RCS0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 20 kpcs, 11.25" plastic reel, 2 mm pitch
RCS0603XXXXXXEE	RCS0603 0 $\Omega$ , 1 $\Omega$ - 10 M $\Omega$ , Lead free, 50 kpcs, 13" plastic reel, 2 mm pitch