

SFERNICE RTO/DTO/D2TO product families overglaze upgrade to lead-free version

For further information, please contact your regional Vishay office.

CONTACT INFORMATION

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Description of Change: Overglaze upgrade to lead-free version

Reason for Change: We are pleased to announce that we are upgrading the overglaze of our resistors to a lead-free variant. This improvement aligns with our commitment to environmental responsibility and product safety. By transitioning to lead-free overglass, we are reducing the environmental impact associated with traditional lead-based materials. This upgrade reflects our dedication to providing high-quality, sustainable solutions to meet the evolving needs of our customers while contributing positively to the environment.

Expected Influence on Quality/Reliability/Performance: Enhanced environmental friendliness without any compromise on the quality, reliability, and performance of the component.

Part Numbers/Series/Families Affected: RTO*, DTO*, D2TO*,

Vishay Brand(S): Vishay Sfernice

Time Schedule:

Start Shipment Date: Wed Jul 31, 2024

Sample Availability: 07/31/2024

Product Identification: RTO*, DTO*, D2TO*

Qualification Data: The validation of D2TO's qualification report extends to RTO as well

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Fri May 31, 2024 or as specified by contract.

Issued By: Thomas Roure, thomas.roure@vishay.com



Part Submission Warrant

Part Name D2TO, all references		Customer Part Number	
Shown on Drawing No.		Organization Part # D2TO, all references	
Engineering Change Level		Dated	
Additional Engineering Changes NA		Dated NA	
Safety and/or Government Regulation ☐ Yes ☒ No		Purchase Order No. NA	Weight (kg)
Checking Aid No. NA		Checking Aid Engineering Change Level NA	Dated NA
ORGANIZATION MANUFACTURING INFORMATION			
VISHAY ELECTRONIC spol. s r.o.			
Organization Name & Supplier/Vendor Code			
Kasárenská 1143			
Street Address			
Prachatice	38301	Czech Republic	
City	Region	Postal Code	Country
MATERIALS REPORTING			
Has customer-required Substances of Concern information been reported? ☐ Yes ☒ No ☐ n/a			
Submitted by IMDS or other customer format:			
Are polymeric parts identified with appropriate ISO marking codes? ☐ Yes ☒ No ☐ n/a			
REASON FOR SUBMISSION (Check at least one)			
☐ Initial Submission			
☐ Engineering Change(s)			
☐ Tooling: Transfer, Replacement, Refurbishment, or additional			
☐ Correction of Discrepancy			
☐ Tooling Inactive > than 1 year			
☐ Change to Optional Construction or Material			
☐ Supplier or Material Source Change			
☐ Change in Part Processing			
☐ Parts Produced at Additional Location			
☒ Other - please specify below			
Qualification of new overglaze material (lead free)			
☐ Design Approval			
☐ Process Flow Chart			
☐ Product FMEA			
☐ Process FMEA			
☐ Control Plan			
☐ Process Capability			
☐ Test Equipment Capability (R&R)			
REQUESTED SUBMISSION DOCUMENTS			
☐ Certificate of compliance with the ROHS 2011/65/UE directive			
☐ IMDS registration			
☐ Raw Material conformity			
☒ Functional Test			
☐ Dimensional Report			
☐ Packaging instructions			
☐ Appearance Report			
SUBMISSION RESULTS			
The results for ☐ dimensional measurements ☒ material and functional tests ☐ appearance criteria ☐ statistical process package			
These results meet all drawing and specification requirements: ☒ Yes ☐ NO (If "NO" - Explanation Required)			
DECLARATION			
I hereby affirm that the samples represented by this warrant are representative of our parts which were made by a process that meets all Production Part			
I also certify that documented evidence of such compliance is on file and available for review. I have noted any deviations from this declaration below.			
EXPLANATION / COMMENTS:			
Is each Customer Tool properly tagged and numbered? ☐ Yes ☐ No ☒ n/a			
Organization Authorized Signature			
Date 23/04/2024			
Print Name Benjamin MOLINS		Phone No. +33(0)4 93 37 29 85	
Title Quality Engineer		Fax No.	
E-mail benjamin.molins@vishay.com			
Quality review: Signature + Date B. MOLINS 23/04/2024		Engineering review: Signature + Date	
FOR CUSTOMER USE ONLY (IF APPLICABLE)			
Part Warrant Disposition: ☐ Approved ☐ Rejected ☐ Other			
Customer Signature		Date	
Print Name		Customer Tracking Number (optional)	



Part Submission Warrant

Part Name DTO, all references		Customer Part Number	
Shown on Drawing No.		Organization Part # DTO, all references	
Engineering Change Level		Dated	
Additional Engineering Changes NA		Dated NA	
Safety and/or Government Regulation ☐ Yes ☒ No	Purchase Order No. NA		Weight (kg)
Checking Aid No. NA	Checking Aid Engineering Change Level NA		Dated NA
ORGANIZATION MANUFACTURING INFORMATION		CUSTOMER SUBMITTAL INFORMATION	
VISHAY ELECTRONIC spol. s r.o.			
Organization Name & Supplier/Vendor Code		Customer Name/Division	
Kasárenská 1143			
Street Address		Buyer/Buyer Code	
Prachatice	38301	Czech Republic	
City	Region	Postal Code	Country
MATERIALS REPORTING		Application	
Has customer-required Substances of Concern information been reported?		☐ Yes ☒ No ☐ n/a	
Submitted by IMDS or other customer format:			
Are polymeric parts identified with appropriate ISO marking codes?		☐ Yes ☒ No ☐ n/a	
REASON FOR SUBMISSION (Check at least one)			
☐ Initial Submission		☐ Change to Optional Construction or Material	
☐ Engineering Change(s)		☐ Supplier or Material Source Change	
☐ Tooling: Transfer, Replacement, Refurbishment, or additional		☐ Change in Part Processing	
☐ Correction of Discrepancy		☐ Parts Produced at Additional Location	
☐ Tooling Inactive > than 1 year		☒ Other - please specify below	
REQUESTED SUBMISSION DOCUMENTS		Qualification of new overglaze material (lead free)	
☐ Certificate of compliance with the ROHS 2011/65/UE directive		☐ Design Approval	
☐ IMDS registration		☐ Process Flow Chart	
☐ Raw Material conformity		☐ Product FMEA	
☒ Functional Test		☐ Process FMEA	
☐ Dimensional Report		☐ Control Plan	
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☐ Appearance Report		☐ Test Equipment Capability (R&R)	
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Organization Authorized Signature		Date 23/04/2024	
Print Name Benjamin MOLINS		Phone No. +33(0)4 93 37 29 85	
Title Quality Engineer		Fax No.	
E-mail benjamin.molins@vishay.com			
Quality review: Signature + Date B. MOLINS 23/04/2024		Engineering review: Signature + Date	
FOR CUSTOMER USE ONLY (IF APPLICABLE)			
Part Warrant Disposition: ☐ Approved ☐ Rejected ☐ Other			
Customer Signature		Date	
Print Name		Customer Tracking Number (optional)	



Part Submission Warrant

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Engineering Change Level		Dated	
Additional Engineering Changes NA		Dated NA	
Safety and/or Government Regulation ☐ Yes ☒ No	Purchase Order No. NA		Weight (kg)
Checking Aid No. NA	Checking Aid Engineering Change Level NA		Dated NA
ORGANIZATION MANUFACTURING INFORMATION		CUSTOMER SUBMITTAL INFORMATION	
VISHAY ELECTRONIC spol. s r.o.			
Organization Name & Supplier/Vendor Code		Customer Name/Division	
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