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Product Change Notification

Product Group: OPT/Wednesday December 17, 2025/PCN-OPT-1470-2025-REV-0

Production line transfer of solid state relay VO1400AEFTR

For further information, please contact your regional Vishay office.

CONTACT INFORMATION

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Description of Change: To meet the ever growing demand for solid state relay VO1400AEFTR, we are pleased to announce the transfer of production line to a Vishay qualified subontractor. As part of this transition, the chipset and the mechanical design will be revised to align with the process capabilities of the manufacturing subcontractor. Consequently the country of origin will change from Malaysia to China.

Reason for Change: To ensure continuous supply inspite of increasing demand the production of the affected part will be transferred to one of our qualified subcontractor. The affected part numbers listed in this PCN will begin shipping on or after the specified start date, unless already approval by customer. The exact date will depend on the depletion of current inventory and existing contractual agreements.

Expected Influence on Quality/Reliability/Performance: No influence on quality and reliability is expected. The absolute maximum ratings and electrical characteristics will deviate in some parameters. The functionality of the parts remains unchanged and their performance is comparable. Nevertheless, we request our customers to test the product in their specific application.

Part Numbers/Series/Families Affected: VO1400AEFTR

Vishay Brand(S): Vishay Semiconductors

Time Schedule:

Start Shipment Date: Wednesday April 1, 2026

Sample Availability: samples availability: 15-01-2026

Product Identification: Product can be identified using factory code

Qualification Data: This change has been rigorously qualified by company and indsutry standard. Qualification data is available on request.

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Friday March 20, 2026 or as specified by contract.

Issued By: Sourabh Kulkarni, sourabh.kulkarni@vishay.com

Comparison data PCN OPT-1465-2025

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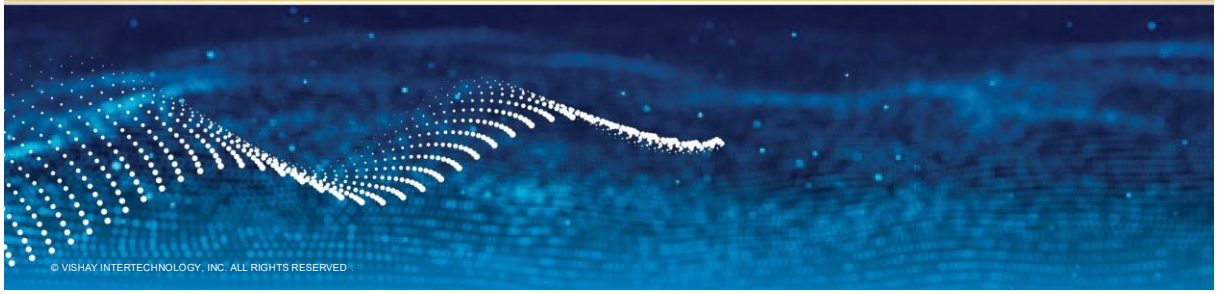

Comparison data

Absolute Maximum Ratings

Before PCN

ABSOLUTE MAXIMUM RATINGS (Tamb = 25 °C, unless otherwise specified)				
PARAMETER	CONDITIONS	SYMBOL	VALUE	UNIT
OUTPUT				
Load current AC peak		I_L	100	mA
Peak load current	t = 10 ms	I_{LPK}	350	mA
SSR				
Total power dissipation		P_{diss}	120	mW

After PCN

ABSOLUTE MAXIMUM RATINGS (Tamb = 25 °C, unless otherwise specified)				
PARAMETER	CONDITIONS	SYMBOL	VALUE	UNIT
OUTPUT				
Load current AC peak		I_L	550	mA
Peak load current	t = 10 ms	I_{LPK}	1000	mA
SSR				
Total power dissipation		P_{diss}	800	mW

Comparison data

Absolute Maximum Ratings

Before PCN

ELECTRICAL CHARACTERISTICS (T_{amb} = 25 °C, unless otherwise specified)						
PARAMETER	TEST CONDITION	SYMBOL	MIN.	TYP.	MAX.	UNIT
INPUT						
LED forward current, switch turn-on	I_L = 100 mA, $V_L \leq 0.5$ V, t = 10 ms	I_{Fon}	0.15	0.8	3.2	mA
LED forward current, switch turn-off	V_L = 60 V	I_{Foff}	100	400	-	µA
LED reverse current	V_R = 5 V	I_R	-	0.001	10	µA
LED forward voltage	I_F = 5 mA	V_F	0.8	1.4	1.6	V
LED reverse voltage	I_R = 10 µA	V_R	5	40		V
OUTPUT						
On-resistance	I_F = 10 mA, I_L = 100 mA	R_{ON}	-	2.3	5	Ω
Off-state leakage current	I_F = 0 mA, V_L = 60 V	I_{LEAK}	-	0.002	1	µA

After PCN

ELECTRICAL CHARACTERISTICS (T_{amb} = 25 °C, unless otherwise specified)						
PARAMETER	TEST CONDITION	SYMBOL	MIN.	TYP.	MAX.	UNIT
INPUT						
LED forward current, switch turn-on	I_L = 100 mA, $V_L \leq 0.5$ V, t = 10 ms	I_{Fon}	-	2.5	5	mA
LED forward current, switch turn-off	I_L = 1 µA	I_{Foff}	0.4	2	-	mA
LED reverse current	V_R = 5 V	I_R	-	-	1	µA
LED forward voltage	I_F = 5 mA	V_F	0.8	1.2	1.5	V
LED reverse voltage	I_R = 10 µA	V_R	5	40		V
OUTPUT						
On-resistance	I_F = 10 mA, I_L = 500 mA	R_{ON}	-	0.6	2.5	Ω
Off-state leakage current	I_F = 0 mA, V_L = 60 V	I_{LEAK}	-	-	1	µA

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Comparison data

Switching characteristics

Before PCN

SWITCHING CHARACTERISTICS						
PARAMETER	TEST CONDITION	SYMBOL	MIN.	TYP.	MAX.	UNIT
Turn-on time	I_F = 10 mA, V_L = 20 V, I_L = 100 mA	t_{on}	-	20	500	µs
Turn-off time	I_F = 10 mA, V_L = 20 V, I_L = 100 mA	t_{off}	-	80	500	µs

After PCN

SWITCHING CHARACTERISTICS						
PARAMETER	TEST CONDITION	SYMBOL	MIN.	TYP.	MAX.	UNIT
Turn-on time	I_F = 10 mA, V_L = 20 V, I_L = 100 mA	t_{on}	-	0.65	1.5	ms
Turn-off time	I_F = 10 mA, V_L = 20 V, I_L = 100 mA	t_{off}	-	0.3	0.5	ms

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Comparison data

Package Dimensions

Before PCN

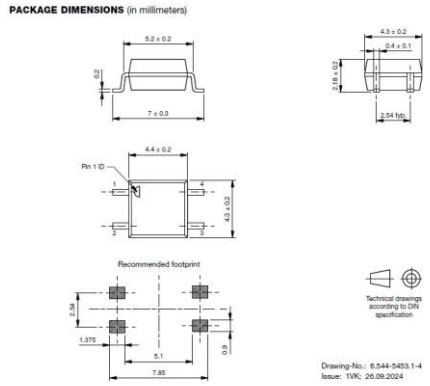

Fig. 14 - Package Drawings

After PCN

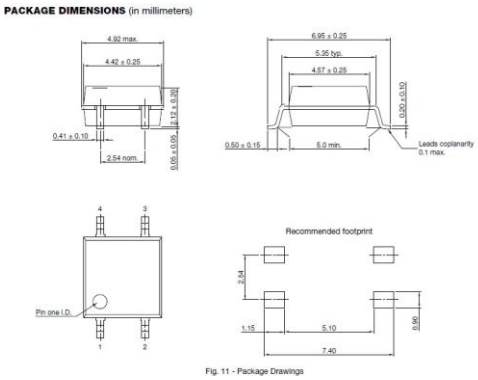

Fig. 11 - Package Drawings

Comparison data

Package Marking

Before PCN

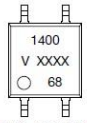

Fig. 12 - VO1400AEF

After PCN

Fig. 15 - VO1400AEF

Comparison data

Miscellaneous

- For changes in the typical curves or figures please refer to the latest datasheet upload on the Vishay website. If there are any questions, please feel free to get in touch with any of Vishay sales contact.
- For the latest tape and reel dimensions, please refer to the latest datasheet.
- We still require customers to test the part in their application for any functional impact.
- We hope to continue supporting you to the fullest with our ‚Customer First‘ mindset. Thank you for trusting Vishay components.

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