



# Product Change Notification



Product Group: DD/Fri May 6, 2022/PCN-DD-010-2022-REV-0

## Additional supplier for substrate used in SOT-227

**DESCRIPTION OF CHANGE:** Additional supplier for substrate used in SOT-227 was qualified for strengthening the supply chain.

**REASON FOR CHANGE:** Capacity increase and supply chain security.

**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** There will be no effect on product quality, reliability or performance.

**PART NUMBERS/SERIES/FAMILIES AFFECTED:** Please see materials list on the succeeding page.

**VISHAY BRAND(s):** Vishay Semiconductors

### TIME SCHEDULE:

Start Shipment Date: Mon Jul 11, 2022

**SAMPLE AVAILABILITY:** Samples available upon request

**PRODUCT IDENTIFICATION:** Batch code (contact factory for the details)

**QUALIFICATION DATA:** Available upon request

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before Mon Jul 11, 2022 or as specified by contract.**

**ISSUED BY:** Fabio Bertuccio, Fabio.Bertuccio@vishay.com

**For further information, please contact your regional Vishay office.**

### CONTACT INFORMATION:

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VS-UFB280FA40	VS-UFB280FA20	VS-UFB80FA20	VS-UFB80FA40	VS-UFB80FA60
VS-UFL80FA60	VS-UFB130FA20	VS-UFB130FA40	VS-UFB130FA60	VS-UFB170FA60
VS-UFB230FA60	VS-UFB250FA60	VS-UFB201FA40	VS-UFL130FA60	VS-UFL230FA60
VS-UFL330FA60	VS-UFH280FA30	VS-HFA70FA120	VS-HFA70EA120	VS-HFA220FA120
VS-HFA140FA60	VS-HFA140FA120	VS-RA160FA120	VS-RA220FA120	VS-QA250FA20
VS-QA300FA17	VS-S1869			

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# **RELIABILITY REPORT**

**R3825S1**

**Qualification of:**

- . FRED Gen5 qualification in SOT227 modules**
- . Additional supplier of isolation substrate**

**Production Part Approval -  
Environmental Test Summary**

Date: Sep-21

<b>PROJECT:</b> FRED Gen5 and additional supplier qualification in SOT227 manufacturing <b>REQUESTED BY:</b> Kevin Liu <b>Qual Plan:</b> QP2104 <b>STATUS:</b> Passed test as per LL151 level
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P/N PACKAGE PROCESS	VS-U5FH300FA60 SOT227	VS-U5FH240FA120 SOT227	VS-U5FX60FA60 SOT227	VS-GT100DA120UF SOT227
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	Rel ref.	3825	3826	3827	3852
<b>Test Item &amp; Condition</b>	<b>Duration</b>				
<b>HTRB</b>	Condition				
<b>Max Tj @ 80% Vr</b>	168 Hrs	0/9	0/9	0/9	0/9
	500 Hrs	0/9	0/9	0/9	0/9
	1000 Hrs	0/9	0/9	0/9	0/9
<b>TC</b>	Condition				
<b>@-40°C / +125°C / 30min.</b>	100 Cyc.	0/9	0/9	0/9	0/9
	200 Cyc.	0/9	0/9	0/9	0/9
	500 Cyc.	0/9	0/9	0/9	0/9
<b>IOL</b>	Condition				
Delta Tj=80°C T0n/Toff >= 2min	250 Hrs	0/9	0/9	0/9	0/9
	500 Hrs	0/9	0/9	0/9	0/9
<b>H3TRB</b>	Condition				
<b>85°C 85% HR @ 100V</b>	168 Hrs	0/9	0/9	0/9	0/9
	500 Hrs	0/9	0/9	0/9	0/9
	1000 Hrs	0/9	0/9	0/9	0/9
<b>UHAST</b>	Condition				
<b>130°C 85%HR</b>	48 Hrs	0/9	0/9	0/9	0/9
	96 Hrs	0/9	0/9	0/9	0/9

Signature: 

Function: Reliability manager