



# Product Change Notification



Product Group: Diodes Division / October 10, 2019 / PCN-DD-024-2019 Rev 1

## Die Passivation change

**DESCRIPTION OF CHANGE:** Vishay Semiconductors announces the change of the die passivation material from one single layer (Silicone Elastomer) to two layers (Polyimide plus Silicone Elastomer) on below Part Numbers.  
Other Fab processes, total passivation thickness and deposition method will remain unchanged.

**CLASSIFICATION OF CHANGE:** Wafer/Chip/Pellet Process/Structure

**REASON FOR CHANGE:** Obsolescence of the current die passivation material from supplier.

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

**PRODUCT CATEGORY:** Diodes, Thyristors

### PART NUMBERS/SERIES/FAMILIES AFFECTED:

Part Number	Part Number	Part Number	Part Number
VS-82-0546	VS-88-5094PBF	VS-ST1280C06K0L	VS-ST173C12CFK1
VS-S1219	VS-88-6113	VS-ST1280C06K1	VS-ST173C12CFP0
VS-S1294	VS-88-6113PBF	VS-82-0356	VS-ST173C12CFP1
VS-S1349	VS-88-6175	VS-82-2539	VS-ST183C04CFL0
VS-VSKL300-08PBF	VS-88-6175PBF	VS-VSKHF180-12HKP	VS-ST183C04CFN0
VS-S1493	VS-88-6365	VS-VSKTF200-08HK	VS-ST183C04CFN1
VS-150U100D	VS-88-6365PBF	VS-VSKTF200-08HKP	VS-ST183C08CFL0
VS-150U100DL	VS-88-6424	VS-S480B	VS-ST183C08CFL1
VS-150U120D	VS-88-6643	VS-S878	VS-ST183C08CFN0
VS-150U120DL	VS-88-6643PBF	VS-S880	VS-ST183C08CFN1
VS-150U120DM12	VS-88-6653	VS-S934	VS-ST203C10CFJ1
VS-150U60D	VS-88-6653PBF	VS-G1217UR	VS-ST203C12CFJ0
VS-150U80D	VS-88-6659	VS-74-7323	VS-ST203C12CFJ1
VS-150U80DL	VS-88-6659PBF	VS-74-7786	VS-ST223C04CFL0
VS-150UR100D	VS-88-6667	VS-S733	VS-ST223C04CFL1
VS-150UR100DL	VS-88-6765	VS-SD303C04S10C	VS-ST223C04CFN0
VS-150UR120D	VS-88-7271	VS-SD303C08S10C	VS-ST223C04CFN1
VS-150UR120DL	VS-88-7271PBF	VS-SD303C10S10C	VS-ST223C08CFL0
VS-150UR120DM12	VS-88-7272	VS-SD403C04S10C	VS-ST223C08CFL1
VS-150UR60D	VS-88-7272PBF	VS-SD403C08S10C	VS-ST223C08CFN0
VS-150UR80D	VS-88-7302	VS-74-7457	VS-ST223C08CFN1
VS-150UR80DL	VS-88-7302PBF	VS-SD603C04S10C	VS-88-4759
VS-80-1235	VS-88-7320	VS-SD603C08S10C	VS-88-6397
VS-80-1236	VS-88-7320PBF	VS-SD603C10S10C	VS-88-6434
VS-80-1237	VS-G1030TH	VS-SD803C04S10C	VS-88-7304
VS-80-1238	VS-G1030THPBF	VS-SD803C08S10C	VS-88-7311
VS-240U100D	VS-G1173TH	VS-SD803C10S10C	VS-G1956EF
VS-240U120D	VS-S1000	VS-68-5283	VS-S163A
VS-240U60D	VS-S1104	VS-68-5283PBF	VS-S296-12A
VS-240U60DM16	VS-S1212	VS-68-5510	VS-S319A
VS-240U80D	VS-S123B	VS-68-5510PBF	VS-S381
VS-240U80DM16	VS-S123BPBF	VS-68-5537	VS-S846
VS-240UR100D	VS-S1319PBF	VS-68-5537PBF	VS-ST303C04CFL0
VS-240UR120D	VS-ST180C04C0	VS-78-4581	VS-ST303C04CFL1

Part Number	Part Number	Part Number	Part Number
VS-240UR60D	VS-ST180C04C1	VS-78-4581PBF	VS-ST303C04CFN1
VS-240UR60DM16	VS-ST180C08C0	VS-78-4789	VS-ST303C08CFK1
VS-240UR80D	VS-ST230C04C0	VS-78-4789PBF	VS-ST303C08CFL1
VS-80-6294	VS-ST230C04C1	VS-78-5415	VS-ST303C08CFN1
VS-S1280	VS-ST230C08C0	VS-78-6064	VS-ST303C10CFJ0
VS-S1281	VS-ST230C08C0L	VS-78-6064PBF	VS-ST303C10CFK0
VS-S1285	VS-ST230C08C1	VS-78-6134	VS-ST303C12CCL1
VS-S1286	VS-ST230C12C0	VS-S195A	VS-ST303C12CFJ0
VS-S1293	VS-ST230C12C0L	VS-S232A	VS-ST303C12CFJ1
VS-S1769	VS-ST230C12C1	VS-S309	VS-ST303C12CFK0
VS-S1775	VS-ST230C12C1L	VS-S481B	VS-ST303C12CFK0L
VS-S498	VS-ST230C12C2	VS-S837A	VS-ST303C12CFK1
VS-SD410C08C	VS-ST250C04C1	VS-S885	VS-ST303C12CFK1L
VS-S1534	VS-ST250C04C3	VS-S976	VS-ST333C04CFLO
VS-SD2000C04L	VS-ST280C04C0	VS-S976PBF	VS-ST333C04CFL1
VS-SD2000C08L	VS-ST280C04C1	VS-ST083S04PFM1P	VS-ST333C04CFM1
VS-SD2000C10L	VS-ST280C06C0	VS-ST083S04PFN1	VS-ST333C08CFLO
VS-S1130	VS-ST280C06C1	VS-ST083S04PFN1P	VS-ST333C08CFL1
VS-SD3000C04K	VS-ST280CH04C0	VS-ST083S08MFM1P	VS-ST333C08CFM0
VS-SD3000C08K	VS-ST280CH04C1	VS-ST083S08PFM0P	VS-ST333C08CFM1
VS-SD3000C10K	VS-ST280CH06C0	VS-ST083S08PFM1	VS-88-4220
VS-68-6020	VS-ST280CH06C1	VS-ST083S08PFM1P	VS-88-4264
VS-68-6020PBF	VS-88-4898	VS-ST083S08PFN0	VS-88-4265
VS-68-6024	VS-88-4898PBF	VS-ST083S08PFN0P	VS-88-6081
VS-68-6024PBF	VS-88-5153	VS-ST083S08PFN1	VS-88-6477
VS-68-6205	VS-88-6126	VS-ST083S08PFN1P	VS-88-6478
VS-68-6648	VS-88-6126PBF	VS-ST083S08PFN2P	VS-88-6522
VS-68-6648PBF	VS-88-6173	VS-ST083S10PFK0	VS-88-6554
VS-68-7002	VS-88-6173PBF	VS-ST083S10PFK0P	VS-88-6556
VS-68-7002PBF	VS-88-6278	VS-ST083S10PFK1	VS-S166
VS-68-7182	VS-88-6278PBF	VS-ST083S10PFK1P	VS-ST303C04LFK0
VS-68-7182PBF	VS-88-6279	VS-ST083S10PFK2P	VS-ST303C04LFL0
VS-78-5147	VS-88-6279PBF	VS-ST083S12MFK0LP	VS-ST303C08LFL1
VS-78-5147PBF	VS-88-6280	VS-ST083S12MFK2LP	VS-ST303C08LFN0
VS-78-5218	VS-88-6280PBF	VS-ST083S12PFK0	VS-ST303C08LFN1
VS-78-5218PBF	VS-88-6284	VS-ST083S12PFK0LP	VS-ST303C10LFLJ0
VS-78-5552	VS-88-6284PBF	VS-ST083S12PFK0P	VS-ST303C12LFH0
VS-78-5552PBF	VS-88-6602	VS-ST083S12PFK1	VS-ST303C12LFJ1
VS-78-5812	VS-88-6709	VS-ST083S12PFK1P	VS-ST303C12LFK0
VS-78-5812PBF	VS-88-6709PBF	VS-ST103S04PFL0P	VS-ST303C12LFLK0L
VS-78-5819	VS-88-6764	VS-ST103S08PFL1P	VS-ST303C12LFLK1
VS-78-5819PBF	VS-88-6764PBF	VS-ST103S08PFN1P	VS-ST303C12LFLK1L
VS-78-5838	VS-88-6767	VS-ST103S08PFN2P	VS-ST333C04LFL0
VS-78-5838PBF	VS-88-6774	VS-ST173S12PFK0	VS-ST333C04LFL1
VS-78-6124	VS-88-6775	VS-ST173S12PFP0	VS-ST333C04LFM0
VS-78-6143	VS-88-7318	VS-ST183S04MFN1P	VS-ST333C04LFM1
VS-78-6176	VS-88-7318PBF	VS-ST183S04PFL0	VS-ST333C08LFL0
VS-S489A	VS-I794	VS-ST183S04PFL0P	VS-ST333C08LFL1
VS-ST110S04P0V	VS-S099A	VS-ST183S04PFL1	VS-ST333C08LFM0
VS-ST110S04P0VPBF	VS-S1089	VS-ST183S04PFL1P	VS-ST333C08LFM1
VS-ST110S04P1V	VS-S660	VS-ST183S08MFL0	VS-ST733C04LFL1
VS-ST110S04P1VPBF	VS-S761D	VS-ST183S08MFL0P	VS-ST733C04LFM1
VS-ST110S04P2V	VS-S925-12	VS-ST183S08PFL0	VS-ST733C08LFL0
VS-ST110S04P2VPBF	VS-ST300C04C0	VS-ST183S08PFL0P	VS-ST733C08LFL1
VS-ST110S08P0V	VS-ST300C04C1	VS-ST183S08PFL1	VS-ST733C08LFM0

Part Number	Part Number	Part Number	Part Number
VS-ST110S08P0VPBF	VS-ST330C04C0	VS-ST183S08PFL1P	VS-ST733C08LFM0L
VS-ST110S08P1V	VS-ST330C04C1	VS-ST303S04PFL0	VS-ST733C08LFM1
VS-ST110S08P1VPBF	VS-ST330C08C0	VS-ST303S04PFN0	VS-88-4684
VS-ST110S12P0V	VS-ST330C08C1	VS-ST303S04PFN0P	VS-88-6669
VS-ST110S12P0VPBF	VS-ST330C12C0	VS-ST303S08PFL1P	VS-S1098
VS-ST110S12P1V	VS-ST330C12C0L	VS-ST303S12PFK0	VS-S1140
VS-ST110S12P1VPBF	VS-ST330C12C1	VS-ST303S12PFK0P	VS-74-7784
VS-ST110S12P2VPBF	VS-ST330C12C1L	VS-ST303S12PFK1	VS-74-7783
VS-ST180S04P0V	VS-ST380C04C0	VS-ST333S04PFL0	VS-74-7789
VS-ST180S04P0VPBF	VS-ST380C04C1	VS-ST333S04PFL0P	VS-VS30AFR04NFM
VS-ST180S04P1V	VS-ST380C06C0	VS-ST333S04PFM0P	VS-VS52CDR04M
VS-ST180S04P1VPBF	VS-ST380C06C0L	VS-ST333S08MFL1P	VS-VS24ASR04N
VS-ST180S06P1V	VS-ST380C06C1	VS-ST333S08PFL0	VS-VS30AFR04LFM
VS-ST180S06P1VPBF	VS-ST380CH04C0	VS-ST333S08PFL0P	VS-S1109
VS-ST230S04M1VPBF	VS-ST380CH04C0L	VS-VSHPS1496	VS-VS52ASR04M
VS-ST230S04P0V	VS-ST380CH04C1	VS-88-4218	VS-S1086
VS-ST230S04P0VPBF	VS-ST380CH06C0	VS-88-4313	VS-VS52CDR02M
VS-ST230S04P1V	VS-ST380CH06C1	VS-88-4964	VS-VS30ASR04N
VS-ST230S04P1VPBF	VS-88-4031	VS-88-5152	VS-VS24ASR04M
VS-ST230S08P0V	VS-88-4031PBF	VS-88-6009	VS-88-6675
VS-ST230S08P0VPBF	VS-88-4674	VS-88-6021	VS-88-6676
VS-ST230S08P1V	VS-88-4725	VS-88-6021PBF	VS-VS38AR08MFL
VS-ST230S08P1VPBF	VS-88-5133	VS-88-6381	VS-VS24CDR08L
VS-ST280S04P0V	VS-88-5133PBF	VS-88-7310	VS-VS24CDR04L
VS-ST280S04P1V	VS-88-6476	VS-88-7314	VS-VS19CDR04L
VS-ST280S06P0V	VS-88-6780	VS-88-7314PBF	VS-VS24CLR08LS10
VS-ST280S06P1V	VS-S881	VS-G1351TH	VS-VS38CDR04M
VS-ST330S04P0	VS-ST300C04L0	VS-G1386TH	VS-VS24CLR08LS15
VS-ST330S04P0PBF	VS-ST300C08L0	VS-S085A	VS-VS19CDR08L
VS-ST330S04P1	VS-ST330C04L0	VS-S1103	VS-VS30CLR08LS10
VS-ST330S08P0	VS-ST330C04L1	VS-S1111	VS-VS52CDR08M
VS-ST330S08P0PBF	VS-ST330C08L0	VS-S162A	VS-VS24BFR12LFJ
VS-ST330S08P1	VS-ST330C08L1	VS-S193A	VS-VS24CSR06L
VS-ST330S08P1PBF	VS-ST780C04L0	VS-S231A	VS-VS24DLR04LS20
VS-88-4310	VS-ST780C04L0L	VS-S731A	VS-VS30BFR12LFFK
VS-88-4495	VS-ST780C04L1	VS-S745B	VS-VS19DDR12L
VS-88-4495PBF	VS-ST780C04L1L	VS-S746B	VS-VS30CSR12L
VS-88-4542	VS-ST780C06L0	VS-S853A	VS-VS24DLR12LS15
VS-88-4542PBF	VS-ST780C06L0L	VS-S894	VS-VS24DDR12L
VS-88-4639	VS-ST780C06L1	VS-S905-16	VS-VS24BFR12LFFK
VS-88-4643	VS-88-6339	VS-ST173C10CFK0	VS-VS24CSR12L
VS-88-4643PBF	VS-88-6703	VS-ST173C10CFK1	VS-VS19BFR12LFFK
VS-88-4723	VS-S1095	VS-ST173C10CFP0	VS-VS19BFR12LFP
VS-88-4724	VS-ST1280C04K0	VS-ST173C10CFP1	
VS-88-4779	VS-ST1280C04K1	VS-ST173C12CFK0	
VS-88-5094	VS-ST1280C06K0	VS-ST173C12CFK0L	

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

**TIME SCHEDULE:** Starting from October 28, 2019 Vishay will gradually start to ship the products with the new die passivation.

**SAMPLE AVAILABILITY:** Upon request

**PRODUCT IDENTIFICATION:** N/A

**QUALIFICATION DATA:** Available upon request

**This PCN is considered approved, without further notification, unless we receive specific customer written concerns before October 25, 2019 or as specified by contract**

**ISSUED BY:** Fabio Modaro, Vishay Diodes Product Marketing  
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