



# Product Change Notification



Product Group: Diodes Division / September 4, 2019 / PCN-DD-019-2019 Rev 0

## Assembly process change

**DESCRIPTION OF CHANGE:** Introduction of mechanical punch on cathode tube for entire Stud product family.

Existing crimping



Proposed crimping



**CLASSIFICATION OF CHANGE:** Assembly Process/Structure

**REASON FOR CHANGE:** Continuous improvement

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

**PRODUCT CATEGORY:** Diodes & Rectifiers

**PART NUMBERS/SERIES/FAMILIES AFFECTED:**

VS-110RKI120	VS-68-6205	VS-81RIA40	VS-SD500N36PTC
VS-110RKI120M	VS-68-6550	VS-81RIA40PBF	VS-SD500R36PTC
VS-110RKI120MPBF	VS-68-6648	VS-81RIA80	VS-SD600N04PC
VS-110RKI120PBF	VS-68-6648PBF	VS-81RIA80M	VS-SD600N08PC
VS-110RKI40	VS-68-7002	VS-81RIA80PBF	VS-SD600N12PC
VS-110RKI40M	VS-68-7002PBF	VS-82RIA120	VS-SD600N16M24C
VS-110RKI40PBF	VS-68-7052	VS-G1217UR	VS-SD600N16PC
VS-110RKI80	VS-68-7052PBF	VS-G1246TH	VS-SD600N20PC
VS-110RKI80PBF	VS-68-7100	VS-G1736UR	VS-SD600N22PC
VS-111RKI120	VS-68-7100PBF	VS-G488U	VS-SD600N28PC
S-111RKI120M	VS-68-7114	VS-G489UR	VS-SD600N32PC
VS-111RKI120MPBF	VS-68-7114PBF	VS-G490U	VS-SD600R04PC
VS-111RKI120PBF	VS-68-7182	VS-G491UR	VS-SD600R08PC

Vishay Intertechnology, Inc.

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

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT

VS-111RKI40	VS-68-7182PBF	VS-S088-1	VS-SD600R12PC
VS-111RKI40PBF	VS-73-4069	VS-S1024A	VS-SD600R16PC
VS-111RKI80	VS-73-4279	VS-S1025A	VS-SD600R20PC
VS-111RKI80PBF	VS-73-4284	VS-S1031	VS-SD600R28PC
VS-150K10A	VS-73-4378	VS-S1032	VS-SD600R32PC
VS-150K20A	VS-73-4379	VS-S1068	VS-ST083S04PFM1P
VS-150K30A	VS-73-4448	VS-S1068PBF	VS-ST083S04PFN1
VS-150K40A	VS-73-4462	VS-S1074	VS-ST083S04PFN1P
VS-150K60A	VS-73-4714	VS-S1075	VS-ST083S08MFM1P
VS-150KR10A	VS-73-4715	VS-S1076	VS-ST083S08PFM0P
VS-150KR20A	VS-73-4720	VS-S1077	VS-ST083S08PFM1
VS-150KR30A	VS-73-4790	VS-S1091	VS-ST083S08PFM1P
VS-150KR40A	VS-73-5110	VS-S1092	VS-ST083S08PFN0
VS-150KR60A	VS-73-5265A	VS-S1096	VS-ST083S08PFN0P
VS-150KS10	VS-73-5266A	VS-S1097	VS-ST083S08PFN1
VS-150KS20	VS-73-6273	VS-S1100	VS-ST083S08PFN1P
VS-150KS30	VS-73-6283	VS-S1106	VS-ST083S08PFN2P
VS-150KS40	VS-73-6284	VS-S1110	VS-ST083S10PFK0
VS-150KS60	VS-73-6287	VS-S1110PBF	VS-ST083S10PFK0P
VS-150KSR10	VS-73-6336	VS-S1114	VS-ST083S10PFK1
VS-150KSR20	VS-73-6345	VS-S1131A	VS-ST083S10PFK1P
VS-150KSR30	VS-73-6346	VS-S1132A	VS-ST083S10PFK2P
VS-150KSR40	VS-73-6347	VS-S1210	VS-ST083S12MFK0LP
VS-150KSR60	VS-73-6348	VS-S1211	VS-ST083S12MFK2LP
VS-150U100D	VS-78-4581	VS-S1217	VS-ST083S12PFK0
VS-150U100DL	VS-78-4581PBF	VS-S1217PBF	VS-ST083S12PFK0LP
VS-150U120D	VS-78-4789	VS-S1226	VS-ST083S12PFK0P
VS-150U120DL	VS-78-4789PBF	VS-S1226PBF	VS-ST083S12PFK1
VS-150U120DM12	VS-78-5144	VS-S1254	VS-ST083S12PFK1P
VS-150U60D	VS-78-5144PBF	VS-S1255	VS-ST103S04PFL0P
VS-150U80D	VS-78-5146	VS-S1256	VS-ST103S08PFL1P
VS-150U80DL	VS-78-5146PBF	VS-S1257	VS-ST103S08PFN1P
VS-150UR100D	VS-78-5147	VS-S1258	VS-ST103S08PFN2P
VS-150UR100DL	VS-78-5147PBF	VS-S1259	VS-ST110S04P0V
VS-150UR120D	VS-78-5148	VS-S1261	VS-ST110S04P0VPBF
VS-150UR120DL	VS-78-5148PBF	VS-S1274	VS-ST110S04P1V
VS-150UR120DM12	VS-78-5218	VS-S1277	VS-ST110S04P1VPBF
VS-150UR60D	VS-78-5218PBF	VS-S1279	VS-ST110S04P2V
VS-150UR80D	VS-78-5415	VS-S1280	VS-ST110S04P2VPBF
VS-150UR80DL	VS-78-5464	VS-S1281	VS-ST110S08P0V
VS-180RKI100	VS-78-5493	VS-S1282	VS-ST110S08P0VPBF
VS-180RKI100PBF	VS-78-5493PBF	VS-S1283	VS-ST110S08P1V
VS-180RKI40	VS-78-5552	VS-S1285	VS-ST110S08P1VPBF
VS-180RKI40PBF	VS-78-5552PBF	VS-S1286	VS-ST110S12P0V

Vishay Intertechnology, Inc.

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

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT

VS-180RKI80	VS-78-5572	VS-S1293	VS-ST110S12P0VPBF
VS-180RKI80PBF	VS-78-5572PBF	VS-S1301	VS-ST110S12P1V
VS-181RKI100	VS-78-5812	VS-S1302	VS-ST110S12P1VPBF
VS-181RKI100PBF	VS-78-5812PBF	VS-S1307	VS-ST110S12P2VPBF
VS-181RKI40	VS-78-5819	VS-S1313	VS-ST110S14P0PBF
VS-181RKI40PBF	VS-78-5819PBF	VS-S1317	VS-ST110S16M1PBF
VS-181RKI80	VS-78-5838	VS-S1318	VS-ST110S16P0
VS-181RKI80PBF	VS-78-5838PBF	VS-S1350	VS-ST110S16P0PBF
VS-1N3290R	VS-78-6064	VS-S1351	VS-ST110S16P1
VS-240U100D	VS-78-6064PBF	VS-S1352	VS-ST110S16P1PBF
VS-240U120D	VS-78-6124	VS-S1353	VS-ST110S16P2PBF
VS-240U60D	VS-78-6134	VS-S1356	VS-ST173S12PFK0
VS-240U60DM16	VS-78-6143	VS-S1357	VS-ST173S12PFP0
VS-240U80D	VS-78-6175A	VS-S1363	VS-ST180S04P0V
VS-240U80DM16	VS-78-6176	VS-S1367	VS-ST180S04P0VPBF
VS-240UR100D	VS-78-6178	VS-S1380	VS-ST180S04P1V
VS-240UR120D	VS-78-6181	VS-S1381	VS-ST180S04P1VPBF
VS-240UR60D	VS-78-6182	VS-S1386	VS-ST180S06P1V
VS-240UR60DM16	VS-80-1235	VS-S1388	VS-ST180S06P1VPBF
VS-240UR80D	VS-80-1236	VS-S1394	VS-ST180S08P0V
VS-300U10A	VS-80-1237	VS-S1395	VS-ST180S08P0VPBF
VS-300U20A	VS-80-1238	VS-S1396	VS-ST180S08P1V
VS-300U30A	VS-80-5049	VS-S1397	VS-ST180S12P0V
VS-300U40A	VS-80-5150	VS-S1398	VS-ST180S12P0VPBF
VS-300U40AM20	VS-80-5337	VS-S1521	VS-ST180S12P1V
VS-300U60A	VS-80-5339	VS-S1525	VS-ST180S12P1VPBF
VS-300UR10A	VS-80-5598	VS-S1585	VS-ST180S16M0LPBF
VS-300UR20A	VS-80-5637	VS-S1625	VS-ST180S16P0
VS-300UR30A	VS-80-5651	VS-S1639	VS-ST180S16P0PBF
VS-300UR40A	VS-80-5652	VS-S1643	VS-ST180S16P1
VS-300UR60A	VS-80-5662	VS-S1662	VS-ST180S16P1PBF
VS-301U160	VS-80-5694	VS-S1677	VS-ST180S20P0
VS-301U200	VS-80-6001	VS-S1678	VS-ST180S20P0PBF
VS-301U250	VS-80-6002	VS-S1726	VS-ST180S20P1
VS-301UA200	VS-80-6007	VS-S1731	VS-ST180S20P1PBF
VS-301UR160	VS-80-6008	VS-S1732	VS-ST183S04MFN1P
VS-301UR200	VS-80-6011	VS-S1748	VS-ST183S04PFL0
VS-301UR250	VS-80-6012	VS-S1759	VS-ST183S04PFL0P
VS-301URA160	VS-80-6017	VS-S1769	VS-ST183S04PFL1
VS-301URA200	VS-80-6018	VS-S1775	VS-ST183S04PFL1P
VS-301URA250	VS-80-6019	VS-S1792	VS-ST183S08MFL0
VS-302U60A	VS-80-6020	VS-S1793	VS-ST183S08MFL0P
VS-302UR60A	VS-80-6048	VS-S1844	VS-ST183S08PFL0
VS-303UA250	VS-80-6049	VS-S1845	VS-ST183S08PFL0P

Vishay Intertechnology, Inc.

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

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT

VS-303URA160	VS-80-6149	VS-S1859	VS-ST183S08PFL1
VS-303URA200	VS-80-6193	VS-S195A	VS-ST183S08PFL1P
VS-303URA250	VS-80-6194	VS-S232A	VS-ST230S04M1VPBF
VS-305U160	VS-80-6265	VS-S309	VS-ST230S04P0V
VS-305U200	VS-80-6266	VS-S480B	VS-ST230S04P0VPBF
VS-305U250	VS-80-6294	VS-S481B	VS-ST230S04P1V
VS-305U250P4	VS-80-6383	VS-S487A	VS-ST230S04P1VPBF
VS-305UA160	VS-80-6481	VS-S488A	VS-ST230S08P0V
VS-305UA250	VS-80-6547	VS-S489A	VS-ST230S08P0VPBF
VS-305UA250P4	VS-80-6548	VS-S490B	VS-ST230S08P1V
VS-305UR160	VS-80-6549	VS-S491	VS-ST230S08P1VPBF
VS-305UR200	VS-80-6606	VS-S595A	VS-ST230S12M0VPBF
VS-305UR250P4	VS-80-6659	VS-S596A	VS-ST230S12P0V
VS-305URA160	VS-80-6660	VS-S623B	VS-ST230S12P0VPBF
VS-305URA200	VS-80-6789	VS-S624D	VS-ST230S12P1V
VS-305URA250	VS-80-6917	VS-S626A	VS-ST230S12P1VPBF
VS-305URA250P4	VS-80-7031	VS-S627B	VS-ST230S14P0PBF
VS-307U160	VS-80-7032	VS-S628A	VS-ST230S16M1PBF
VS-307U200	VS-80-7280	VS-S669B	VS-ST230S16P0
VS-307U250	VS-80-7332	VS-S670B	VS-ST230S16P0PBF
VS-307UA200	VS-80-7371	VS-S671C	VS-ST230S16P1
VS-307UA250P4	VS-80-7383	VS-S672C	VS-ST230S16P1PBF
VS-307UR160	VS-80-7454	VS-S675B	VS-ST280S04P0V
VS-307UR200	VS-80-7529	VS-S676B	VS-ST280S04P1V
VS-307UR250	VS-80-7530	VS-S694	VS-ST280S06P0V
VS-307URA160	VS-80-7547	VS-S737A	VS-ST280S06P1V
VS-307URA200	VS-80-7580	VS-S740A	VS-ST300S12P0
VS-307URA250	VS-80-7583	VS-S741A	VS-ST300S12P0PBF
VS-307URA250P4	VS-80-7584	VS-S743A	VS-ST300S18M0PBF
VS-309U160	VS-80-7595	VS-S837A	VS-ST300S20P0PBF
VS-309U250	VS-80-7600	VS-S840	VS-ST303S04PFL0
VS-309UA160	VS-80-7601	VS-S860	VS-ST303S04PFN0
VS-309UA250	VS-80-7602	VS-S861	VS-ST303S04PFN0P
VS-309UR160	VS-80-7603	VS-S878	VS-ST303S08PFL1P
VS-309UR250	VS-80-7604	VS-S880	VS-ST303S12PFK0
VS-309URA160	VS-80-7605	VS-S885	VS-ST303S12PFK0P
VS-309URA200	VS-80-7626	VS-S910A	VS-ST303S12PFK1
VS-309URA250	VS-80-7628	VS-S911A	VS-ST330S04P0
VS-400U120D	VS-80-7649	VS-S926	VS-ST330S04P0PBF
VS-400U160D	VS-80-7650	VS-S927	VS-ST330S04P1
VS-400U80D	VS-80-7662	VS-S934	VS-ST330S08P0
VS-400UR120D	VS-80-7672	VS-S944B	VS-ST330S08P0PBF
VS-400UR160D	VS-80-7685	VS-S944BPBF	VS-ST330S08P1
VS-400UR80D	VS-80-7726	VS-S957A	VS-ST330S08P1PBF

Vishay Intertechnology, Inc.

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

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT

VS-45L10	VS-80-7768	VS-S958A	VS-ST330S12P0
VS-45L20	VS-80-7771	VS-S960	VS-ST330S12P0PBF
VS-45L40	VS-80-7801	VS-S961	VS-ST330S12P1
VS-45L60	VS-80-7803	VS-S967	VS-ST330S12P1PBF
VS-45LR10	VS-80-7820	VS-S968	VS-ST330S14P0
VS-45LR20	VS-80-7823	VS-S976	VS-ST330S14P0PBF
VS-45LR40	VS-80-7840	VS-S976PBF	VS-ST330S16M1PBF
VS-45LR60	VS-80-7844	VS-SD200N16PC	VS-ST330S16P0
VS-61-0126	VS-80-7846	VS-SD200N20PC	VS-ST330S16P0PBF
VS-61-0173	VS-80-7847	VS-SD200N24PC	VS-ST330S16P1
VS-66-8056	VS-80-7848	VS-SD200R16M12C	VS-ST330S16P1PBF
VS-66-8059	VS-80-7849	VS-SD200R16PC	VS-ST333S04PFL0
VS-66-8061	VS-80-7851	VS-SD200R20PC	VS-ST333S04PFL0P
VS-66-8064	VS-80-7852	VS-SD200R24MC	VS-ST333S04PFM0P
VS-66-8415	VS-80-7871	VS-SD200R24PC	VS-ST333S08MFL1P
VS-66-8416	VS-80-7876	VS-SD203N25S20PC	VS-ST333S08PFL0
VS-66-9390	VS-80-7880	VS-SD203R25S20PC	VS-ST333S08PFL0P
VS-66-9391	VS-80-7881	VS-SD300N16PC	VS-VSHPS1425
VS-66-9903	VS-80-7896	VS-SD300N20PC	VS-VSHPS1438
VS-68-5283	VS-80-7897	VS-SD300N25PC	VS-VSHPS1439
VS-68-5283PBF	VS-80-7907	VS-SD300N28PC	VS-VSHPS1440
VS-68-5510	VS-80-7908	VS-SD300N32PC	VS-VSHPS1452
VS-68-5510PBF	VS-80-7911	VS-SD300R16PC	VS-VSHPS1455
VS-68-5537	VS-80-7912	VS-SD300R20PC	VS-VSHPS1456
VS-68-5537PBF	VS-80RIA120	VS-SD300R25PC	VS-VSHPS1464
VS-68-5650	VS-80RIA120PBF	VS-SD300R28PC	VS-VSHPS1467
VS-68-5650PBF	VS-80RIA40	VS-SD300R32PC	VS-VSHPS1473
VS-68-6020	VS-80RIA40MPBF	VS-SD400N16PC	VS-VSHPS1474
VS-68-6020PBF	VS-80RIA40PBF	VS-SD400N20PC	VS-VSHPS1475
VS-68-6023	VS-80RIA80	VS-SD400N24PC	VS-VSHPS1477
VS-68-6023PBF	VS-80RIA80PBF	VS-SD400R16PC	VS-VSHPS1496
VS-68-6024	VS-81RIA120	VS-SD400R20PC	
VS-68-6024PBF	VS-81RIA120PBF	VS-SD400R24PC	

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

**TIME SCHEDULE:** Starting from September 30, 2019 Vishay will progressively introduce proposed mechanical punch for entire stud product family.

**SAMPLE AVAILABILITY:** Within 20 days from date of request.

**PRODUCT IDENTIFICATION:** Mechanical punch on cathode tube.

**QUALIFICATION DATA:** On request

**This PCN is for information only.**

Vishay Intertechnology, Inc.

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

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT

**ISSUED BY:**

Fabio Modaro, Product Marketing Manager

E-mail: [fabio.modaro@vishay.com](mailto:fabio.modaro@vishay.com)

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

**CONTACT INFORMATION:**

**The Americas**

Vishay Semiconductors.  
150 Motor Parkway, Suite, 101E

Hauppauge, NY 11788 USA

Phone: 631 300 3816

Fax: 631 300 3843

[Diodes-America@vishay.com](mailto:Diodes-America@vishay.com)

**Europe**

Vishay Semiconductors

Theresienstrasse 2

D-74072 Heilbronn, Germany

Phone: + 49 7131 67 3364 (3365)

Fax: + 49 7131 67 2938

[Diodes-Europe@vishay.com](mailto:Diodes-Europe@vishay.com)

**Asia**

Vishay Semiconductors

15D, Sun Tong Infoport

55 Huai Hai West Road,

Shanghai, China

Phone: + 86 138 1787 2112

Fax: + 86 21 5258 7979

[Diodes-Asia@vishay.com](mailto:Diodes-Asia@vishay.com)

**Vishay Intertechnology, Inc.**

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

**ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT**