



PRODUCT CHANGE NOTIFICATION

SEMICONDUCTOR PRODUCTS



Bourns Implements New Metal Evaporation Process for Select Semiconductor Products

Riverside, California – June 15, 2020 – As part of our continuous improvement efforts, effective June 26, 2020, Bourns will implement an innovative metal evaporation process to improve our manufacturing capabilities for select PTVS Diodes, TVS Diodes, TISP® Thyristor Surge Protectors, LED Shunt Protectors and TBU® HSPs. This change will result in a more robust product with improved process control.

This process improvement will not impact the form, fit, function, quality or reliability of the products. Qualification test data and evaluation samples are available upon request. A list of affected part numbers is included below and on the following pages. Data sheets can be accessed by clicking on the links.

Implementation dates are as follows:

Last time to buy existing products: **July 31, 2020**

Date manufacturing of existing products will cease: **August 21, 2020**

Date deliveries of modified products will begin: **June 26, 2020**

First date code using the above changes: **2025**

If you have any questions or need additional information, please feel free to contact [Customer Service/ Inside Sales](#).

Affected Part Numbers

PTVS Diodes

MEWRX-PTVS	PTVS10-086C-M	PTVS1-066C-TH	PTVS15-058C-TH	PTVS3-066C-M	PTVS3-430C-TH	PTVS6-076C-TH	R3789-S
PTVS10-058C-SH	PTVS10-170C-TH	PTVS1-066C-THL	PTVS15-076C-SH	PTVS3-076C-M	PTVS6-058C-SH	PTVS6-380C-TH	R3790-S
PTVS10-066C-M	PTVS10-320C-TH	PTVS1-190C-TH	PTVS15-076C-TH	PTVS3-076C-SH	PTVS6-058C-TH	PTVS6-430C-TH	
PTVS10-076C-M	PTVS10-380C-TH	PTVS1-380C-TH	PTVS3-015C-TH	PTVS3-076C-SH-R	PTVS6-066C-M	R3769-S	
PTVS10-076C-SH	PTVS10-430C-TH	PTVS1-380C-THL	PTVS3-058C-SH	PTVS3-076C-TH	PTVS6-076C-M	R3771-S	
PTVS10-076C-TH	PTVS10-470C-TH	PTVS15-058C-SH	PTVS3-058C-TH	PTVS3-380C-TH	PTVS6-076C-SH	R3780-S	

Users should verify that the described changes will not impact the performance of the product in their specific applications.

ESD2013

Affected Part Numbers

TVS Diodes

CD143A-SR05	CDNBS08-T15	CDNBS16-T36C	CDSOD323-T12	CDSOD323-T18SC	CDSOT236-T24C	CDSOT23-T12
CD143A-SR12	CDNBS08-T15C	CDSOT23-T24C-Q	CDSOD323-T12C	CDSOD323-T24	CDSOT23-SLVU2.8	CDSOT23-T12C
CD143A-SR70	CDNBS08-T24	CDSOD323-T03	CDSOD323-T12C-DSL	CDSOD323-T24C	CDSOT23-SM712	CDSOT23-T12LC
CDNBS08-4T58CC	CDNBS08-T24C	CDSOD323-T03C	CDSOD323-T12C-DSLQ	CDSOD323-T24C-DSL	CDSOT23-SR208	CDSOT23-T15
CDNBS08-PLC03-6	CDNBS08-T36	CDSOD323-T03S	CDSOD323-T12C-SP	CDSOD323-T24C-DSLQ	CDSOT23-SRV05-4	CDSOT23-T15C
CDNBS08-SLVU2.8-8	CDNBS08-T36C	CDSOD323-T03SC	CDSOD323-T12L	CDSOD323-T24L	CDSOT23-T03	CDSOT23-T15C-Q
CDNBS08-SMDA05-6	CDNBS08-T58CC	CDSOD323-T03SC-M9	CDSOD323-T12LC	CDSOD323-T24LC	CDSOT23-T03C	CDSOT23-T15LC
CDNBS08-SRDA05-4	CDNBS16-T03	CDSOD323-T05	CDSOD323-T12S	CDSOD323-T24S	CDSOT23-T03LC	CDSOT23-T24
CDNBS08-SRDA05-6	CDNBS16-T03C	CDSOD323-T05C	CDSOD323-T12SC	CDSOD323-T24SC	CDSOT23-T03LC-Q	CDSOT23-T24C
CDNBS08-SRDA12-4	CDNBS16-T05	CDSOD323-T05L	CDSOD323-T15	CDSOD323-T36S	CDSOT23-T03-Q	CDSOT23-T24CAN
CDNBS08-SRDA3.3-4	CDNBS16-T05C	CDSOD323-T05LC	CDSOD323-T15C	CDSOD323-T36SC	CDSOT23-T05	CDSOT23-T24CAN-Q
CDNBS08-SRDA3.3-6	CDNBS16-T08	CDSOD323-T05S	CDSOD323-T15L	CDSOT236-T05	CDSOT23-T05C	CDSOT23-T24C-Q
CDNBS08-T03	CDNBS16-T08C	CDSOD323-T05SC	CDSOD323-T15LC	CDSOT236-T05C	CDSOT23-T05LC	CDSOT23-T24LC
CDNBS08-T03C	CDNBS16-T12	CDSOD323-T05S-Q	CDSOD323-T15S	CDSOT236-T12	CDSOT23-T05LC-Q	CDSOT23-T24-Q
CDNBS08-T05	CDNBS16-T12C	CDSOD323-T08	CDSOD323-T15SC	CDSOT236-T12C	CDSOT23-T08	CDSOT23-T36
CDNBS08-T05C	CDNBS16-T15	CDSOD323-T08C	CDSOD323-T18	CDSOT236-T12LC	CDSOT23-T08C	CDSOT23-T36C
CDNBS08-T08	CDNBS16-T15C	CDSOD323-T08L	CDSOD323-T18C	CDSOT236-T12LC-SP	CDSOT23-T08C-Q	CDSOT23-T36C-Q
CDNBS08-T08C	CDNBS16-T24	CDSOD323-T08LC	CDSOD323-T18L	CDSOT236-T15	CDSOT23-T08LC	CDSOT23-T36LC
CDNBS08-T12	CDNBS16-T24C	CDSOD323-T08S	CDSOD323-T18LC	CDSOT236-T15C	CDSOT23-T08LC-Q	CDSOT23-T36LC-Q
CDNBS08-T12C	CDNBS16-T36	CDSOD323-T08SC	CDSOD323-T18S	CDSOT236-T24	CDSOT23-T08-Q	

LSPs

LSP0600AJR-S	LSP0600BJR-S					
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TISP® Thyristor Surge Protectors

ACTP250J1BJR-S	R3706BJR-S	TISP4015H1BJR-S	TISP4030L1BJ-S	TISP4070L3AJR-S	TISP4080L3AJ-S	TISP4095J1BJ-S
R3280T	R3706BJ-S	TISP4015H1BJ-S	TISP4040H1BJR-S	TISP4070L3AJ-S	TISP4080M3AJR-S	TISP4095J3BJR-S
R3293-S	R3716BJR-S	TISP4015L1AJR-S	TISP4040H1BJ-S	TISP4070M3AJR-S	TISP4080M3AJ-S	TISP4095M3AJR-S
R3332-S	R3740-S	TISP4015L1AJ-S	TISP4040L1AJR-S	TISP4070M3AJ-S	TISP4080M3BJR-S	TISP4095M3AJ-S
R3351-S	R3746-S	TISP4015L1BJR-S	TISP4040L1AJ-S	TISP4070M3BJR-S	TISP4080M3BJ-S	TISP4095M3BJR-S
R3442-S	R3759-S	TISP4015L1BJ-S	TISP4040L1BJR-S	TISP4070M3BJ-S	TISP4090L3AJR-S	TISP4095M3BJ-S
R3463-S	R3761-S	TISP4025H1BJR-S	TISP4040L1BJ-S	TISP4080H3BJR-S	TISP4090L3AJ-S	TISP4115H3BJR-S
R3600DR	R3762-S	TISP4030H1BJR-S	TISP4070H3BJR-S	TISP4080H3BJ-S	TISP4090M3AJR-S	TISP4115H3BJ-S
R3606D10-S	R3763-S	TISP4030H1BJ-S	TISP4070H3BJ-S	TISP4080J1BJR-S	TISP4090M3AJ-S	TISP4115J1BJR-S
R3606DR10-S	R3768-S	TISP4030L1AJR-S	TISP4070J1BJR-S	TISP4080J1BJ-S	TISP4095H3BJR-S	TISP4115J1BJ-S
R3620DR-S	TISP2290L-S	TISP4030L1AJ-S	TISP4070J1BJ-S	TISP4080J3BJR-S	TISP4095H3BJ-S	TISP4115J3BJR-S
R3678-S	TISP2290-S	TISP4030L1BJR-S	TISP4070J3BJR-S	TISP4080L3AJR-S	TISP4095J1BJR-S	TISP4115M3AJR-S

Affected Part Numbers

TISP® Thyristor Surge Protectors (continued)

TISP4115M3AJ-S	TISP4165L3AJR-S	TISP4219H3LM-S	TISP4260L3AJ-S	TISP4320M3AJ-S	TISP4395J3BJ-S	TISP4C165H3BJR-S
TISP4115M3BJR-S	TISP4165L3AJ-S	TISP4219J1BJR-S	TISP4260L3AJ-S	TISP4350H3BJR-S	TISP4395L3AJR-S	TISP4C180H3BJR-S
TISP4115M3BJ-S	TISP4165M3AJR-S	TISP4219J1BJ-S	TISP4265H3BJR-S	TISP4350H3BJ-S	TISP4395L3AJ-S	TISP4C180H3BJS
TISP4125H3BJR-S	TISP4165M3AJ-S	TISP4219J3BJR-S	TISP4265H3BJ-S	TISP4350H4BJR-S	TISP4395M3AJR-S	TISP4C220H3BJR-S
TISP4125H3BJ-S	TISP4165M3BJ	TISP4219M3BJR-S	TISP4265H4BJR-S	TISP4350H4BJ-S	TISP4395M3AJ-S	TISP4C220H3BJS
TISP4125J1BJR-S	TISP4165M3BJR-S	TISP4219M3BJ-S	TISP4265H4BJ-S	TISP4350H7BJR-S	TISP4395M3BJR-S	TISP4C250H3BJR-S
TISP4125J1BJ-S	TISP4165M3BJ-S	TISP4220H3BJR-S	TISP4265M3AJR-S	TISP4350H7BJ-S	TISP4395M3BJ-S	TISP4C250H3BJS
TISP4125J1BJ-S	TISP4180H3BJR-S	TISP4220H3BJ-S	TISP4265M3AJ-S	TISP4350H8BJR-S	TISP4400H3BJR-S	TISP4C290H3BJR-S
TISP4125J3BJR-S	TISP4180H3BJ-S	TISP4220L3AJR-S	TISP4265M3BJR-S	TISP4350J1BJR-S	TISP4400H3BJ-S	TISP4C290H3BJS
TISP4125L3AJR-S	TISP4180H4BJR-S	TISP4220L3AJ-S	TISP4265M3BJ-S	TISP4350J1BJ-S	TISP4400L3AJR-S	TISP4C350H3BJR-S
TISP4125L3AJ-S	TISP4180H4BJ-S	TISP4220M3AJR-S	TISP4290H3BJR-S	TISP4350J3BJR-S	TISP4400L3AJ-S	TISP4C350H3BJ-S
TISP4125M3AJ	TISP4180J1BJR-S	TISP4220M3AJ-S	TISP4290H3BJ-S	TISP4350J3BJ-S	TISP4400M3BJR-S	TISP4C390H3BJ
TISP4125M3AJR-S	TISP4180J1BJ-S	TISP4220M3BJR-S	TISP4290J1BJR-S	TISP4350L3AJR-S	TISP4400M3BJ-S	TISP4C390H3BJS
TISP4125M3AJ-S	TISP4180J3BJR-S	TISP4220M3BJ-S	TISP4290J1BJ-S	TISP4350L3AJ-S	TISP4400T3BJ	TISP4G024L1ER-S
TISP4125M3BJR-S	TISP4180L3AJR-S	TISP4240H3BJR-S	TISP4290J3BJ	TISP4350M3AJR-S	TISP4400T3BJR-S	TISP4G024L1WR-S
TISP4125M3BJ-S	TISP4180L3AJ-S	TISP4240H3BJ-S	TISP4290J3BJR-S	TISP4350M3AJ-S	TISP4500H3BJR-S	TISP4P015L1NR-S
TISP4145H3BJR-S	TISP4180M3AJR-S	TISP4240L3AJR-S	TISP4290L3AJR-S	TISP4350M3BJR-S	TISP4500H3BJ-S	TISP4P020L1NR-S
TISP4145H3BJ-S	TISP4180M3AJ-S	TISP4240L3AJ-S	TISP4290L3AJ-S	TISP4350M3BJ-S	TISP4500M3BJR-S	TISP4P025L1NR-S
TISP4145H3BJ-S	TISP4180M3BJR-S	TISP4240M3AJR-S	TISP4290M3AJR-S	TISP4350T3BJR-S	TISP4520H3BJR-S	TISP4P035L1NR-S
TISP4145J1BJR-S	TISP4180M3BJ-S	TISP4240M3AJ-S	TISP4290M3AJ-S	TISP4350T3BJ-S	TISP4520H3BJ-S	TISP5070H3BJR-S
TISP4145J1BJ-S	TISP4200H3BJR-S	TISP4240M3BJR-S	TISP4290M3BJR-S	TISP4360H3BJR-S	TISP4A100H3BJR-S	TISP5070H3BJ-S
TISP4145J3BJR-S	TISP4200H3BJ-S	TISP4240M3BJ-S	TISP4290M3BJ-S	TISP4360H3BJ-S	TISP4A100H3BJS	TISP5080H3BJR-S
TISP4145L3AJR-S	TISP4200H4BJR-S	TISP4250H3BJR-S	TISP4290T3BJR-S	TISP4360H4BJR-S	TISP4A250H3BJR-S	TISP5080H3BJ-S
TISP4145L3AJ-S	TISP4200H4BJ-S	TISP4250H3BJ-S	TISP4290T3BJ-S	TISP4360H4BJ-S	TISP4A265H3BJR-S	TISP5095H3BJR-S
TISP4145M3AJR-S	TISP4200J1BJR-S	TISP4250H3BJ-S	TISP4300H3BJR-S	TISP4360L3AJR-S	TISP4A265H3BJS	TISP5095H3BJ-S
TISP4145M3AJ-S	TISP4200J1BJ-S	TISP4250J1BJR-S	TISP4300H3BJ-S	TISP4360L3AJ-S	TISP4A270H3BJR-S	TISP5110H3BJR-S
TISP4145M3BJR-S	TISP4200J1BJ-S	TISP4250J1BJ-S	TISP4300H4BJR-S	TISP4360M3AJR-S	TISP4A270H3BJS	TISP5110H3BJ-S
TISP4145M3BJ-S	TISP4200J3BJR-S	TISP4250J3BJR-S	TISP4300H4BJ-S	TISP4360M3AJ-S	TISP4C115H3BJR-S	TISP5115H3BJR-S
TISP4165H3BJR-S	TISP4200M3AJR-S	TISP4250J3BJ-S	TISP4300M3AJR-S	TISP4360M3BJR-S	TISP4C115H3BJ-S	TISP5115H3BJ-S
TISP4165H3BJ-S	TISP4200M3AJ-S	TISP4250M3AJR-S	TISP4300M3AJ-S	TISP4360M3BJ-S	TISP4C125H3BJR-S	TISP5150H3BJR-S
TISP4165H4BJR-S	TISP4200M3BJR-S	TISP4250M3AJ-S	TISP4300M3BJR-S	TISP4395H3BJR-S	TISP4C125H3BJS	TISP5150H3BJ-S
TISP4165H4BJ-S	TISP4200M3BJ-S	TISP4250M3BJR-S	TISP4300M3BJ-S	TISP4395H3BJ-S	TISP4C145H3BJR-S	TISP5190H3BJR-S
TISP4165J1BJR-S	TISP4219H3BJR-S	TISP4250M3BJ-S	TISP4320L3AJR-S	TISP4395J1BJR-S	TISP4C145H3BJS	TISP61089ADR-S
TISP4165J1BJ-S	TISP4219H3BJ-S	TISP4250M3BJ-S	TISP4320L3AJ-S	TISP4395J1BJ-S	TISP4C150H3BJR-S	TISP61089AD-S
TISP4165J3BJR-S	TISP4219H3LMR-S	TISP4260L3AJR-S	TISP4320M3AJR-S	TISP4395J3BJR-S	TISP4C150H3BJS	TISP61089AP

Affected Part Numbers

TISP® Thyristor Surge Protectors (continued)

TISP61089ASDR-S	TISP61089D-S	TISP61089SD-S	TISP6NTP2CDR-S	TISP8200HDMR-S	TISP9110MDMR-S	TISPPBL2SDR
TISP61089ASD-S	TISP61089HDMR-S	TISP61512P	TISP6NTP2CD-S	TISP8200MDR-S	TISP9110MSDMR-S	TISPPBL2SE
TISP61089BDR-S	TISP61089HDM-S	TISP61521D	TISP6NTP2C-R6-S	TISP8200MD-S	TISPA79R241DR-S	TISPPBL3D
TISP61089BDR-T	TISP61089LDR-S	TISP61521DR	TISP7015DR-S	TISP8201HDMR-S	TISPA79R241D-S	TISPPBL3DR-S
TISP61089BD-S	TISP61089MDR-S	TISP61521DR-S	TISP7015D-S	TISP8201MDR-S	TISPPBL1D	TISPPBL3SE
TISP61089BGDR-S	TISP61089P	TISP61521D-S	TISP7015L1DR-S	TISP8201MD-S	TISPPBL1DR	TISPPBL4DR
TISP61089BSDR-S	TISP61089QADR-S	TISP6L7591DR-S	TISP7038L1DR-S	TISP8210MDR-S	TISPPBL1P	
TISP61089BSD-S	TISP61089QBDR-S	TISP6L7591D-S	TISP7290	TISP8211MDR-S	TISPPBL1SE	
TISP61089DR	TISP61089QDR-S	TISP6NTP2BDR-S	TISP7290-3827	TISP9110LDMR-S	TISPPBL2DR	
TISP61089DR-S	TISP61089SDR-S	TISP6NTP2BD-S	TISP7290L	TISP9110LSDMR-S	TISPPBL2P	
TBU® HSPs						
TBU-RS055-300-WH	TBU-RS085-300-WH					