T_J Upgraded to +175 °C for 1 A, 1.5 A, 2 A, 3 A, and 5 A Standard Recovery Rectifiers in SMA, SMB, and SMC Packages

Vishay General Semiconductor announces that the maximum junction temperature has been upgraded to +175 °C for 1 A, 1.5 A, 2 A 3 A, and 5 A standard recovery rectifiers with reverse voltages up to 1000 V in the SMA (DO-214AC), SMB (DO-214AA), and SMC (DO-214AB) packages. Based on recently completed positive verification, the product datasheets will be revised to reflect the upgrades.

The part numbers, electrical and mechanical parameters, and quality for these devices remain unchanged.

Product Portfolio

Product	Case Outline	Part Number		$I_{F(AV)}$ (A)	Rev. Voltage (V)	T_J Max. (°C)
		Automotive	Non-Automotive			
Standard Recovery Rectifier	SMA (DO-214AC)	S1AHE3_A, S1AHM3_A	S1A-E3, S1A-M3	1	50	175
		S1BHE3_A, S1BHM3_A	S1B-E3, S1B-M3	1	100	175
		S1DHE3_A, S1DHM3_A	S1D-E3, S1D-M3	1	200	175
		S1GHE3_A, S1GHM3_A	S1G-E3, S1G-M3	1	400	175
		S1JHE3_A, S1JHM3_A	S1J-E3, S1J-M3	1	600	175
		S1KHE3_A, S1KHM3_A	S1K-E3, S1K-M3	1	800	175
		S1MHE3_A, S1MHM3_A	S1M-E3, S1M-M3	1	1000	175
	SMB (DO-214AA)	S2AHE3_A, S2AHM3_A	S2A-E3, S2A-M3	1.5	50	175
		S2BHE3_A, S2BHM3_A	S2B-E3, S2B-M3	1.5	100	175
		S2DHE3_A, S2DHM3_A	S2D-E3, S2D-M3	1.5	200	175
		S2GHE3_A, S2GHM3_A	S2G-E3, S2G-M3	1.5	400	175
		S2JHE3_A, S2JHM3_A	S2J-E3, S2J-M3	1.5	600	175
		S2KHE3_A, S2KHM3_A	S2K-E3, S2K-M3	1.5	800	175
		S2MHE3_A, S2MHM3_A	S2M-E3, S2M-M3	1.5	1000	175

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Standard Recovery Rectifier	SMC (DO-214AB)	S3AHE3, S3AHM3	S3A-E3, S3A-M3	3	50	175
		S3BHE3, S3BHM3	S3B-E3, S3B-M3	3	100	175
		S3DHE3, S3DHM3	S3D-E3, S3D-M3	3	200	175
		S3GHE3, S3GHM3	S3G-E3, S3G-M3	3	400	175
		S3JHE3, S3JHM3	S3J-E3, S3J-M3	3	600	175
		S3KHE3, S3KHM3	S3K-E3, S3K-M3	3	800	175
		S3MHE3, S3MHM3	S3M-E3, S3M-M3	3	1000	175
		S5AHE3, S5AHM3	S5A-E3, S5A-M3	5	50	175
		S5BHE3, S5BHM3	S5B-E3, S5B-M3	5	100	175
		S5DHE3, S5DHM3	S5D-E3, S5D-M3	5	200	175
		S5GHE3, S5GHM3	S5G-E3, S5G-M3	5	400	175
		S5JHE3, S5JHM3	S5J-E3, S5J-M3	5	600	175
		S5KHE3, S5KHM3	S5K-E3, S5K-M3	5	800	175
		S5MHE3, S5MHM3	S5M-E3, S5M-M3	5	1000	175

Vishay brand:
Vishay General Semiconductor

Affected products:
Standard Recovery Surface Mount Rectifier

Planned implementation:
Immediate

Issued by:
Jill Li, Product Marketing – Rectifiers (Standard Rectifier)

For further information, please contact our regional marketing offices.

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