



6 Inch qualification of SL04 Schottky Diodes

DESCRIPTION OF CHANGE:

The Silicon Wafer Diameter used as raw material will change from 4 Inches (100mm) to 6 Inches (150mm) and the manufacturing process will be adapted to 6 Inch lines which includes changes in chip design, diffusion and doping technology. With this PCN Vishay is also transferring to new part numbers in accordance with Vishay Diodes standard Nomenclature and is upgrading the junction temperature specification to $T_{j\ max} = 175^{\circ}C$.

CLASSIFICATION OF CHANGE: Process Change, Change in Chip Design, Part number Change

REASON FOR CHANGE: Wafer fab technology consolidation

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:

There will be no impact on quality and reliability. Customers may receive products from both wafer diameters until 4 Inch stocks are depleted.

PRODUCT CATEGORY: Diodes

PART NUMBERS/SERIES/FAMILIES AFFECTED:

Part Number	Material Description	Replacement Part Number		
		Leadfree	Leadfree AEC-Q101 qualified	Halogenfree
SL04-GS08	SCHOTTKY DIODE DO-219AB (SMF)	SL04-E3-08	SL04-HE3-08	
SL04-GS18	SCHOTTKY DIODE DO-219AB (SMF)	SL04-E3-18	SL04-HE3-18	
SL04-M-08	SCHOTTKY DIODE DO-219AB (SMF)			SL04-M3-08
SL04-M-18	SCHOTTKY DIODE DO-219AB (SMF)			SL04-M3-18

Part numbers will change to new Vishay Diodes Standard part numbers (suffix change). Stocks under old part number will be shipped until depleted.

VISHAY BRAND(s): Vishay Semiconductors

TIME SCHEDULE:

Start Shipment Date: September 1st, 2016

SAMPLE AVAILABILITY: Available on request

PRODUCT IDENTIFICATION: N/A

QUALIFICATION DATA: Available on request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before August 15th, 2016 or as specified by contract.

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