



Manufacturing Location Change and 4-inch Wafer Conversion for Commercial Grade Axial Superectifier

DESCRIPTION OF CHANGE:

Vishay Diodes Division will transfer back-end manufacturing of DO-204AL / DO-204AC / DO-201AD packages to subcontractor in China. Together with the manufacturing transfer, the wafer diameter will be converted from 3 inch to 4 inch. The comparison table of changes are summary as table1 & 2.

Table 1: Manufacturing site change

Process	DO-204AL		DO-204AC / DO-201AD	
	Before	After	Before	After
Front End	VGS, Taiwan	No change	VGS, Taiwan	No change
Dicing(wafer sandblasting)	VGS, Taiwan	Subcon, China	VGS, Taiwan	Subcon, China
Assembly	VGS, China	Subcon, China	VGS, Taiwan	Subcon, China
Final Test & Shipping	VGS, China	VGS, China Subcon, China	VGS, Taiwan	VGS, China Subcon, China

Table 2: Wafer diameter change

Package	Product	Before	After
DO-204AL	EGP10A~EGP10G SBYV26C EGP10AE~EGP10GE	3-inch	4-inch
DO-204AC	EGP20A~EGP20G DGP15 BY448GP GII-1200GP~GII-1600GP	3-inch	4-inch
DO-201AD	BY228GP CGP30~DGP30	3-inch	4-inch

CLASSIFICATION OF CHANGE: Wafer Diameter/Assembly Site/Test Site

REASON FOR CHANGE: Front-end wafer diameter and back-end manufacturing consolidations.



Product Change Notification



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EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:

There will be no change in form, fit, function and quality.

PRODUCT CATEGORY: Superrectifier.

PART NUMBERS/SERIES/FAMILIES AFFECTED: The Involved part numbers are listed below.

➤ Manufacturing location change

Package	Base P/N	Pkg code	Package	Base P/N	Pkg code
DO-201AD	1N5404GP-E3	/54, /73	DO-204AC	1N5393GP-E3	/54, /73
	1N5406GP-E3	/54, /73		1N5394GP-E3	/54, /73
	1N5407GP-E3	/54, /73		1N5395GP-E3	/54, /73
	1N5408GP-E3	/54, /73		1N5396GP-E3	/54, /73
	GP25M-E3	/54		1N5397GP-E3	/54, /73
	GP30A-E3	/54, /73		1N5398GP-E3	/54, /73
	GP30B-E3	/54, /73		1N5399GP-E3	/54, /73
	GP30D-021E3	/54		1N5615GP-E3	/54, /73
	GP30D-7010E3	/73		1N5617GP-E3	/54, /73
	GP30D-E3	/54, /73		1N5619GP-E3	/54, /73
	GP30G-E3	/54, /73		1N5621GP-E3	/54, /73
	GP30J-E3	/54, /73		1N5623GP-E3	/54, /73
	GP30K-7010E3	/54		BYV26DGP-E3	/54, /73
	GP30K-E3	/54, /73		BYV26EGP-5706E3	/73
	GP30M-E3	/54, /73		BYV26EGP-E3	/54, /73
	RGP25A-E3	/54, /73		GI1-1600GP01E3	/D
	RGP25B-E3	/54, /73		GP15A-E3	/54, /73
	RGP25D-E3	/54, /73		GP15B-E3	/54, /73
	RGP25G-E3	/54, /73		GP15D-E3	/54, /73
	RGP25J-E3	/54, /73		GP15G-E3	/54, /73
	RGP25K-E3	/54, /73		GP15J-6600E3	/73
	RGP25M-E3	/54, /73		GP15J-E3	/54, /73
	RGP30A-E3	/54, /73		GP15K-E3	/54, /73
	RGP30B-E3	/54, /73		GP15M-E3	/54, /73
	RGP30D-E3	/54, /73		RGP15A-E3	/54, /73
	RGP30G-E3	/54, /73		RGP15B-E3	/54, /73
	RGP30J-E3	/54, /73		RGP15D-E3	/54, /73
	RGP30K-E3	/54, /73		RGP15G-E3	/54, /73
	RGP30M-E3	/54, /73		RGP15J-E3	/54, /73
	DO-204AC	1N4383GP-E3		/54, /73	RGP15K-E3
1N4384GP-E3		/54, /73	RGP15M-E3	/54, /73	
1N4385GP-E3		/54, /73	DO-204AL	1N3611GP-E3	/54, /73
1N4585GP-E3		/54, /73		1N3612GP-E3	/54, /73
1N4586GP-E3		/54, /73		1N3613GP-E3	/54, /73
1N5059GP-E3		/54, /73		1N3614GP-E3	/54, /73
1N5060GP-E3		/54, /73		1N3957GP-E3	/54, /73
1N5061GP-E3		/54, /73		1N4001GP-E3	/54, /73
1N5062GP-E3		/54, /73		1N4002GP-E3	/54, /73
1N5391GP-E3		/54, /73		1N4003GP-E3	/54, /73
1N5392GP-E3		/54, /73		1N4004GP-E3	/54, /73



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Package	Base P/N	Pkg code
DO-204AL	1N4005GP-E3	/54, /73
	1N4006GP-E3	/54, /73
	1N4007GP-E3	/53, /54, /73
	1N4245GP-E3	/54, /73
	1N4246GP-E3	/54, /73
	1N4247GP-E3	/54, /73
	1N4248GP-E3	/54, /73
	1N4249GP-E3	/54, /73
	1N4933GP-E3	/54, /73
	1N4934GP-E3	/54, /73
	1N4935GP-E3	/54, /73
	1N4936GP-E3	/54, /73
	1N4937GP-E3	/54, /73
	1N4942GP-E3	/54, /73
	1N4944GP-E3	/54, /73
	1N4946GP-E3	/54, /73
	1N4947GP-E3	/53, /54, /73
	1N4948GP-E3	/54, /73
	BA157GP-E3	/54, /73
	BA158GP-E3	/54, /73
	BA159DGP-E3	/54, /73
	BA159GP-E3	/54, /73
	BY206GP-E3	/54, /73
	BYW27-100GP-E3	/54, /73
	BYW27-200GP-E3	/54, /73
	BYW27-400GP-E3	/54, /73
	BYW27-600GP-E3	/54, /73
	BYW27-800GP-E3	/54, /73
	BYX10GP-E3	/54, /73
	GI250-1-E3	/54, /73
	GI250-2-E3	/54, /73
	GI250-3-E3	/54, /73
	GI250-4-E3	/54, /73
	GP02-20-E3	/53, /54, /73
	GP02-25-E3	/53, /54, /73
	GP02-30-001E3	/54
	GP02-30-E3	/54, /73
	GP02-35-E3	/54, /73
	GP02-40-E3	/53, /54, /73
	GP08A-E3	/54, /73
	GP08B-E3	/54, /73
	GP08D-E3	/54, /73
	GP08G-E3	/54, /73
	GP08J-E3	/54, /73
	GP10-4002-E3	/53, /54, /73
	GP10-4002-E3S	/73
	GP10-4003-E3	/54, /73
	GP10-4004-E3	/53, /54, /73
	GP10-4005-E3	/54, /73
	GP10-4006-E3	/54, /73

Package	Base P/N	Pkg code
DO-204AL	GP10-4007-E3	/53, /54, /73
	GP10A-E3	/54, /73
	GP10B-E3	/54, /73
	GP10D-E3	/54, /73
	GP10F-E3	/54
	GP10G-132E3	/54
	GP10G-7010E3	/73
	GP10G-E3	/54, /73
	GP10J-051E3	/54
	GP10J-6600E3	/73
	GP10J-E3	/54, /73
	GP10K-041E3	/54
	GP10K-E3	/54, /73
	GP10M-7007E3	/73
	GP10M-E3	/54, /73
	GP10N-E3	/54, /73
	GP10Q-E3	/54, /73
	GP10T-E3	/54, /73
	GP10V-E3	/54, /73
	GP10W-E3	/53, /54, /73
	GP10Y-E3	/53, /54, /73
	RGP10A-013E3	/54
	RGP10A-E3	/54, /73
	RGP10B-E3	/54, /73
	RGP10D-5303E3	/73
	RGP10D-E3	/53, /54, /73
	RGP10G-6038E3	/73
	RGP10G-E3	/53, /54, /73
	RGP10J-057E3	/54
	RGP10J-5025E3	/73
	RGP10J-7008E3	/73
	RGP10J-E3	/53, /54, /73
	RGP10K-5008E3	/73
	RGP10K-E3	/53, /54, /73
	RGP10M-E3	/53, /54, /73
	1N4001GPE-E3	/54, /73, /91
	1N4002GPE-E3	/54, /73, /91
	1N4003GPE-E3	/53, /54, /73
	1N4004GPE-E3	/54, /73, /91, /93
	1N4005GPE-E3	/53, /54, /73
	1N4006GPE-E3	/54, /73
	1N4007GPE-E3	/53, /54, /73, /91
	1N4933GPE-E3	/54, /73
	1N4934GPE-E3	/54, /73, /91
	1N4935GPE-E3	/54, /73
	1N4936GPE-E3	/54, /73
	1N4937GPE-E3	/54, /73, /91
	1N4942GPE-E3	/54, /73
	1N4944GPE-E3	/54, /73
	1N4946GPE-E3	/54, /73



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Package	Base P/N	Pkg code
DO-204AL	1N4947GPE-E3	/54, /73
	1N4948GPE-E3	/54, /73
	BA157GPE-E3	/54, /73
	BA158GPE-E3	/54, /73
	BA159DGPE-E3	/54, /73
	BA159GPE-E3	/53, /54, /73
	BY520-14E-E3	/54, /73
	BY520-16E-E3	/54, /73
	GP08AE-E3	/54, /73
	GP08BE-E3	/54, /73
	GP08DE-E3	/54, /73
	GP08GE-E3	/54, /73
	GP08JE-E3	/54, /73
	GP10-4002E-E3	/53, /54, /73
	GP10-4003E-E3	/53, /54, /73
	GP10-4004E-E3	/53, /54, /73
	GP10-4005E-E3	/53, /54, /73
	GP10-4006E-E3	/54, /73
	GP10-4007E-E3	/53, /54, /73
	GP10AE-E3	/54, /73
	GP10BE-E3	/54, /73
	GP10DE-E3	/54, /73
	GP10GE-110E3	/93
	GP10GE-E3	/53, /54, /73, /91
	GP10JE-E3	/54, /73

Package	Base P/N	Pkg code
DO-204AL	GP10KE-E3	/54, /73
	GP10ME-E3	/53, /54, /73
	GP10NE-E3	/54, /73
	GP10QE-E3	/54, /73
	GP10TE-E3	/54, /73
	GP10VE-E3	/54, /73
	GP10WE-E3	/54, /73
	GP10YE-E3	/54, /73
	RGP02-12E-E3	/53, /54, /73
	RGP02-14E-E3	/53, /54, /73
	RGP02-15E-E3	/53, /54, /73
	RGP02-16E-E3	/53, /54, /73
	RGP02-17E-E3	/53, /54, /73
	RGP02-17E-E3S	/73
	RGP02-18E-E3	/54, /73
	RGP02-20E-E3	/53, /54, /73
	RGP10AE-E3	/54, /73
	RGP10BE-E3	/53, /54, /73, /91
	RGP10DE-E3	/53, /54, /73, /91
	RGP10GE-E3	/53, /54, /73, /91, /93
	RGP10JE-E3	/53, /54, /73, /91
	RGP10KE-6520E3	/73
	RGP10KE-E3	/53, /54, /73, /91
	RGP10ME-E3	/54, /73, /91

➤ 4" wafer conversion + Manufacturing location change

Package	Base P/N	Pkg code
DO-201AD	BY228GP-E3	/54, /73
	CGP30-E3	/54, /73
	DGP30-006E3	/54
	DGP30-6530E3	/73
	DGP30-E3	/54, /73
DO-204AC	BY448GP-E3	/54, /73
	CGP15-E3	/54, /73
	DGP15-E3	/54, /73
	EGP20A-E3	/54, /73
	EGP20B-E3	/54, /73
	EGP20C-E3	/54, /73
	EGP20D-E3	/54, /73
	EGP20F-E3	/54, /73
	EGP20G-E3	/54, /73
	GI1-1200GP-E3	/54, /73
	GI1-1400GP-E3	/54, /73
	GI1-1600GP-E3	/54, /73

Package	Base P/N	Pkg code
DO-204AL	EGP10A-E3	/54, /73
	EGP10B-E3	/54, /73
	EGP10C-E3	/54, /73
	EGP10D-E3	/53, /54, /73
	EGP10F-E3	/54, /73
	EGP10G-E3	/53, /54, /73
	EGP10G-E3S	/73
	SBYV26C-5001E3	/73
	SBYV26C-E3	/54, /73
	EGP10AE-E3	/54, /73
	EGP10BE-E3	/54, /73
	EGP10CE-E3	/54, /73
	EGP10DE-E3	/54, /73
	EGP10FE-E3	/54, /73
	EGP10GE-E3	/54, /73



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VISHAY BRAND: Vishay General Semiconductor

TIME SCHEDULE: Start Conversion Date: November 10, 2016
Last Time Buy Date from original site: December 9, 2016
Last Time Shipment Date from original site: March 9, 2017

SAMPLE AVAILABILITY: Per request

PRODUCT IDENTIFICATION:

The manufacturing date code xxxxX (suffix “A” – assembly in Subcontractor / test in VGS China factory, “J” – assembly / test in Subcontractor factory) will be marked on the device marking for identification.

QUALIFICATION DATA: Available upon request.

RESPONSE DATE: This PCN is considered approved, without further notification, unless we receive specific customer concerns before November 9, 2016 or as specified by contract.

ISSUED BY: R.S. Chin, Product Marketing Director – Rectifiers (Standard & Schottky)
Alessandro Bonaudo, Product Marketing Director – Rectifiers (Ultrafast recovery)

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