



Ultrafast Recovery Rectifiers

I _{F(AV)} (A)	DEVICE ⁽¹⁾	PACKAGE		V _(BR) RANGE (V)	MAX V _F @ (V)	I _F (A)	t _{rr} (ns)
		FAMILY	TYPE				
0.5	EGL34y	SUPERECTIFIER® SMD	DO-213AA (MiniMELF)	50 - 400	1.25 / 1.35	0.5	50
1.0	BYM12-xxx	SUPERECTIFIER® SMD	DO-213AB (MELF)	50 - 400	1.0 / 1.25	1.0	50
	BYV26DGP & EGP	SUPERECTIFIER® Axial	DO-204AC (DO-15)	800 - 1000	2.5	1.0	75
	EGF1y	SUPERECTIFIER® SMD	DO-214BA (GF1)	50 - 200	1.0	1.0	50
	EGL41y	SUPERECTIFIER® SMD	DO-213AB (MELF)	50 - 400	1.0 / 1.25	1.0	50
	EGP10y	SUPERECTIFIER® Axial	DO-204AL (DO-41)	50 - 400	0.95 / 1.25	1.0	50
	SBYV26C	SUPERECTIFIER® Axial	DO-204AL (DO-41)	600	2.5	1.0	30
2.0	EGP20y	SUPERECTIFIER® Axial	DO-204AC (DO-15)	50 - 400	0.95 / 1.25	2.0	50
3.0	EGP30y	SUPERECTIFIER® Axial	GP20	50 - 400	0.95 / 1.25	3.0	50
5.0	EGP50y	SUPERECTIFIER® Axial	GP20	50 - 400	0.95 / 1.25	5.0	50

Notes:

(1) **Bold Text = New Products**

"x" designates a number that indicates voltage or is part of a sequence

"y" designates reverse voltage, where:

A=50V C=150V F=300V H=500V

B=100V D=200V G=400V J=600V

(2) Glass passivated die

All Superectifier products are from the Power Diodes Division (formerly General Semiconductor).

Fast Recovery Rectifiers

I _{F(AV)} (A)	DEVICE ⁽¹⁾	PACKAGE		V _(BR) RANGE (V)	MAX V _F @ (V)	I _F (A)	t _{rr} (ns)
		FAMILY	TYPE				
0.5	RGL34y	SUPERECTIFIER® SMD	DO-213AA (MiniMELF)	50 - 600	1.3	0.5	150 - 250
	RGP02-xx	SUPERECTIFIER® Axial	DO-204AL (DO-41)	1200 - 2000	1.8	0.1	300
1.0	1N4933GP - 1N4937GP	SUPERECTIFIER® Axial	DO-204AL (DO-41)	50 - 600	1.2	1.0	200
	1N4942GP - 1N4948GP	SUPERECTIFIER® Axial	DO-204AL (DO-41)	200 - 1000	1.3	1.0	150 - 500
	1N5615GP - 1N5623GP	SUPERECTIFIER® Axial	DO-204AC (DO-15)	200 - 1000	1.2	1.0	150 - 500
	BA157GP - BA159GP	SUPERECTIFIER® Axial	DO-204AL (DO-41)	400 - 1000	1.3	1.0	150 - 500
	BYM11-xx	SUPERECTIFIER® SMD	DO-213AB (MELF)	50 - 1000	1.3	1.0	150 - 500
	GI81x	SUPERECTIFIER® Axial	DO-204AC (DO-15)	50 - 1000	1.2	1.0	750
	RGF1y	SUPERECTIFIER® SMD	DO-214BA (GF1)	50 - 1000	1.3	1.0	150-500
	RGL41y	SUPERECTIFIER® SMD	DO-213AB (MELF)	50 - 1000	1.3	1.0	150 - 500
1.5	RGP15y	SUPERECTIFIER® Axial	DO-204AC (DO-15)	50 - 1000	1.3	1.5	150 - 500
2.0	RGP20y	SUPERECTIFIER® Axial	GP20	50 - 600	1.3	2.0	150 - 500
2.5	RGP25y	SUPERECTIFIER® Axial	DO-201AD	50 - 1000	1.3	2.5	150 - 500
3.0	RGP30y	SUPERECTIFIER® Axial	DO-201AD	50 - 1000	1.3	3.0	150 - 500

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B=100V D=200V G=400V J=600V M=1000V

(2) Glass passivated die

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Clamper / Damper Rectifiers

I _{F(AV)} (A)	DEVICE ⁽¹⁾	PACKAGE		V _(BR) RANGE (V)	MAX V _F (V)	I _F (A)	t _{rr} (μs)
		FAMILY	TYPE				
1.0	GI1-xxxGP	SUPERECTIFIER® Axial	DO-204AC (DO-15)	1200 - 1600	1.1	1.0	25
1.5	BY448GP	SUPERECTIFIER® Axial	DO-204AC (DO-15)	1650	1.6	3.0	20
	CGP15	SUPERECTIFIER® Axial	DO-204AC (DO-15)	1400	1.1	1.0	15
	DGP15	SUPERECTIFIER® Axial	DO-204AC (DO-15)	1500	1.1	1.0	20
2.0	CGP20	SUPERECTIFIER® Axial	DO-204AC (DO-15)	1400	1.1	2.0	15
	DGP20	SUPERECTIFIER® Axial	DO-204AC (DO-15)	1500	1.1	2.0	20
3.0	BY228GP	SUPERECTIFIER® Axial	DO-201AD	1500	1.6	2.5	20
	CGP30	SUPERECTIFIER® Axial	DO-201AD	1400	1.1	3.0	15
	DGP30	SUPERECTIFIER® Axial	DO-201AD	1500	1.1	3.0	20

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Standard Rectifiers

I _{F(AV)} (A)	DEVICE ⁽¹⁾	PACKAGE		V _(BR) RANGE (V)	MAX V _F (V)	I _F (A)
		FAMILY	TYPE			
0.25	GI250-x	SUPERECTIFIER® Axial	DO-204AL (DO-41)	1000 - 4000	3.5	0.25
	GP02-xx	SUPERECTIFIER® Axial	DO-204AL (DO-41)	2000 - 4000	3.0	0.25
0.5	GL34y	SUPERECTIFIER® SMD	DO-213AA (MiniMELF)	50 - 600	1.2 / 1.3	0.5
0.8	GP08y	SUPERECTIFIER® Axial	DO-204AL	50 - 600	1.3	0.8
1.0	1N361xGP & 1N3957GP	SUPERECTIFIER® Axial	DO-204AL (DO-41)	200 - 100	1.0	1.0
	1N4001GP-1N4007GP	SUPERECTIFIER® Axial	DO-204AL (DO-41)	50 - 1000	1.1	1.0
	1N4245GP-1N4249GP	SUPERECTIFIER® Axial	DO-204AL (DO-41)	200 - 1000	1.2	1.0
	1N4383GP-1N4385GP	SUPERECTIFIER® Axial	DO-204AC (DO-15)	200 - 600	1.0	1.0
	1N4585GP & 1N4586GP	SUPERECTIFIER® Axial	DO-204AC (DO-15)	800 - 1000	1.0	1.0
	1N5059GP-1N5062GP	SUPERECTIFIER® Axial	DO-204AC (DO-15)	200 - 800	1.2	1.0
	1N5614GP-1N5622GP	SUPERECTIFIER® Axial	DO-204AC (DO-15)	200 - 1000	1.2	1.0
	1N6478-1N6484	SUPERECTIFIER® SMD	DO-213AB (MELF)	50 - 1000	1.1	1.0
	BYM10-xxx	SUPERECTIFIER® SMD	DO-213AB (MELF)	50 - 1000	1.1 / 1.2	1.0
	GF1y	SUPERECTIFIER® SMD	DO-214BA (GF1)	50 - 1000	1.1 / 1.2	1.0
	GL41y	SUPERECTIFIER® SMD	DO-213AB (MELF)	50 - 1600	1.1 / 1.2	1.0
GP10y	SUPERECTIFIER® Axial	DO-204AL (DO-41)	50 - 1600	1.1 / 1.2 / 1.3	1.0	
1.5	1N5391GP-1N5399GP	SUPERECTIFIER® Axial	DO-204AC (DO-15)	50 - 1000	1.4	1.5
	GP15y	SUPERECTIFIER® Axial	DO-204AC (DO-15)	50 - 1000	1.1	1.5
2.0	GP20y	SUPERECTIFIER® Axial	GP20	50 - 600	1.1 / 1.2	2.0
3.0	1N5624GP - 1N5627GP	SUPERECTIFIER® Axial	DO-201AD	200 - 800	1.0	3.0
	BY251GP - BY255GP	SUPERECTIFIER® Axial	DO-201AD	200 - 1300	1.1	3.0
	GP30y	SUPERECTIFIER® Axial	DO-201AD	50 - 1000	1.1 / 1.2	3.0

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"y" designates reverse voltage, where:

A=50V C=150V F=300V H=500V K=800V N=1100V T=1300V W=1500V
 B=100V D=200V G=400V J=600V M=1000V Q=1200V V=1400V Y=1600V

(2) Glass passivated die

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