



# High Voltage Fast Recovery Rectifier Diodes

The plastic material carries U/L recognition 94V-0.

Type No.	Max. Average Forward Rectified Current		Max. Repetitive Peak Reverse Voltage	Max. Repetitive Peak Forward Current	Max. Peak Forward Surge Current	Max. Forward Voltage Drop at Ta=25°C		Max. Reverse Current at Ta=25°C	Max. Reverse Recovery Time <sup>(1)</sup>
	I <sub>F(AV)</sub> @ T <sub>a</sub>		V <sub>RRM</sub>	I <sub>FRM</sub>	I <sub>FSM</sub>	V <sub>F</sub> @ I <sub>F</sub>		I <sub>R</sub>	T <sub>rr</sub>
	(A)	(°C)	(V)	(A)	(A)	(V)	(A)	(μA)	(ns)

## BY8004 Series, Case Type: DO-41



BY8004	0.02	90	5000	0.5	-	20	0.1	3.0 *	100
BY8006	0.01	100	8000	0.5	-	25	0.1	3.0 *	100

\* T<sub>j</sub>=120°C

## HFR125 Series, 0.25 - 0.30 A, Case Type: DO-41



HFR125	0.25	50	2500	-	30	5.0	0.25	1.0	250
HFR130	0.25	50	3000	-	30	7.0	0.25	1.0	200
HFR180	0.30	50	8000	-	40	9.0	0.3	5.0	200

## HUF150 , 0.5 A, Case Type: DO-41



HUF150	0.5	50	5000	-	20	12.0	0.5	5.0	90
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## GS1S , 0.2 A, Case Type: SMA



GS1S	0.2	25	2500	-	30	6.0	0.2	1.0	35
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## RGP02 Series, 0.5 A, Case Type: DO-41



RGP02-12E	0.5	55	1200	5.0	20	1.8	0.1	5.0	300
RGP02-14E	0.5	55	1400	5.0	20	1.8	0.1	5.0	300
RGP02-16E	0.5	55	1600	5.0	20	1.8	0.1	5.0	300
RGP02-18E	0.5	55	1800	5.0	20	1.8	0.1	5.0	300
RGP02-20E	0.5	55	2000	5.0	20	1.8	0.1	5.0	300

## SR1P Series, 0.5 A, Case Type: SMA



SR1N	0.5	75	1200	-	30	2.6	1.0	5.0	300
SR1O	0.5	75	1400	-	30	2.6	1.0	5.0	300
SR1P	0.5	75	1600	-	30	2.6	1.0	5.0	300
SR1R	0.5	75	2000	-	30	3.0	0.5	5.0	500

## GR15 Series, 1 A, Case Type: DO-215AC



GR15-G	0.5	55	1500	-	20	2.0	0.1	5.0	300
GR20-G	0.5	55	2000	-	20	2.4	0.1	5.0	500

## UHVR112, 1.0A Case Type: DO-41



UHVR112	1.0	75	1200	-	30	2.2	1.0	5.0	75
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## 3TH41 Series, 3 A, Case Type: DO-201AD



3TH41	3.0	25	1500	-	50	1.2	3.0	10	1.5μs <sup>(2)</sup>
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## FHVR1120, 0.2A Case Type: D2



FHVR1120	0.2	50	12000	-	20	13	0.2	5.0	150
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Notes: (1) Reverse Recovery test conditions : I<sub>F</sub> = 0.5A, I<sub>R</sub> = 1 A, I<sub>rr</sub> = 0.25 A

(2) Reverse Recovery test conditions : I<sub>F</sub> = 100 mA, I<sub>R</sub> = 100 mA