

# FAIRCHILD Rectifiers

Products may be RoHS compliant.  
Check mouser.com for RoHS status.

**FAIRCHILD**  
SEMICONDUCTOR  
◆ Surface Mount Device

Diodes & Rectifiers  
Fairchild

## GENERAL PURPOSE SINGLE RECTIFIERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	V <sub>RRM</sub> (V)	I <sub>FAV</sub> (A)	V <sub>FM</sub> (V)	Price Each			
						1	25	100	250
◆ 512-1N4001	1N4001	DO-41	50	1	1.1V	.08	.073	.059	.037
◆ 512-GF1A	GF1A	DO-214AC	50	1	1V	.17	.16	.154	.128
◆ 512-S1A	S1A	DO-214AC	50	1	1.1V	.07	.069	.065	.054
◆ 512-S2A	S2A	DO-214AA	50	1.5	1.15V	.15	.121	.103	.093
◆ 512-S3A	S3A	DO-214AB	50	3	1.2V	.21	.194	.189	.157
◆ 512-1N4002	1N4002	DO-41	100	1	1.1V	.20	.14	.087	.056
◆ 512-S1B	S1B	DO-214AC	100	1	1.1V	.11	.087	.071	.056
◆ 512-S2B	S2B	DO-214AA	100	1.5	1.15V	.16	.15	.102	.081
◆ 512-1N5401	1N5401	DO-201AD	100	3	1.2V	.22	.199	.164	.126
◆ 512-S3B	S3B	DO-214AB	100	3	1.2V	.21	.194	.189	.157
◆ 512-1N4003	1N4003	DO-41	200	1	1.1V	.09	.079	.063	.04
◆ 512-GF1D	GF1D	DO-214AC	200	1	1V	.17	.16	.154	.128
◆ 512-S1D	S1D	DO-214AC	200	1	1.1V	.07	.069	.065	.054
◆ 512-1N5393	1N5393	DO-15	200	1.5	1.4V	.09	.085	.07	.053
◆ 512-S2D	S2D	DO-214AA	200	1.5	1.15V	.18	.16	.133	.108
◆ 512-1N5402	1N5402	DO-201AD	200	3	1.2V	.22	.199	.164	.126
◆ 512-S3D	S3D	DO-214AB	200	3	1.2V	.21	.191	.189	.157
◆ 512-1N4004	1N4004	DO-41	400	1	1.1V	.09	.079	.063	.04
◆ 512-GF1G	GF1G	DO-214AC	400	1	1V	.17	.16	.154	.128

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	V <sub>RRM</sub> (V)	I <sub>FAV</sub> (A)	V <sub>FM</sub> (V)	Price Each			
						1	25	100	250
◆ 512-S1G	S1G	DO-214AC	400	1	1.1V	.07	.069	.065	.054
◆ 512-S2G	S2G	DO-214AA	400	1.5	1.15V	.16	.156	.118	.096
◆ 512-1N5404	1N5404	DO-201AD	400	3	1.2V	.22	.199	.164	.126
◆ 512-S3G	S3G	DO-214AB	400	3	1.2V	.21	.191	.189	.157
◆ 512-1N4005	1N4005	DO-41	600	1	1.1V	.09	.083	.067	.042
◆ 512-S1J	S1J	DO-214AC	600	1	1.1V	.07	.069	.065	.054
◆ 512-1N5397	1N5397	DO-15	600	1.5	1.4V	.08	.075	.062	.047
◆ 512-S2J	S2J	DO-214AA	600	1.5	1.15V	.12	.119	.112	.093
◆ 512-1N5406	1N5406	DO-201AD	600	3	1.2V	.25	.231	.189	.146
◆ 512-S3J	S3J	DO-214AB	600	3	1.2V	.21	.194	.189	.157
◆ 512-1N4006	1N4006	DO-41	800	1	1.1V	.09	.079	.063	.04
◆ 512-GF1K	GF1K	DO-214AC	800	1	1.2V	.51	.30	.244	.181
◆ 512-1N4007	1N4007	DO-41	1000	1	1.1V	.09	.079	.063	.04
◆ 512-GF1M	GF1M	DO-214AC	1000	1	1.2V	.17	.16	.154	.128
◆ 512-S1M	S1M	DO-214AC	1000	1	1.1V	.08	.075	.071	.059
◆ 512-S2M	S2M	DO-214AA	1000	1.5	1.15V	.16	.151	.141	.117
◆ 512-1N5408	1N5408	DO-201AD	1000	3	1.2V	.25	.228	.187	.143
◆ 512-S3M	S3M	DO-214AB	1000	3	1.2V	.21	.194	.189	.157

## ULTRAFAST RECOVERY RECTIFIERS

PRODUCT NEW

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Configuration	Max Repetitive Reverse Voltage	Avg Rectified Forward Current	Max Instantaneous Forward Voltage	Max Reverse Recovery Time	Price Each			
								1	25	100	250
◆ 512-EGF1A	EGF1A	DO-214AC	Single	50V	1A	1V	50ns	.43	.35	.282	.238
◆ 512-ES1A	ES1A	DO-214AC	Single	50V	1A	0.92V	15ns	.15	.135	.119	.10
◆ 512-EGF1B	EGF1B	DO-214AC	Single	100V	1A	1V	50ns	.43	.35	.282	.238
◆ 512-ES1B	ES1B	DO-214AC	Single	100V	1A	0.92V	15ns	.15	.135	.119	.10
◆ 512-UF4002	UF4002	DO-41	Single	100V	1A	1V	50ns	.11	.081	.078	.063
◆ 512-EGF1C	EGF1C	DO-214AC	Single	150V	1A	1V	50ns	.43	.35	.282	.238
◆ 512-EGP10C	EGP10C	DO-41	Single	150V	1A	1V	50ns	.49	.35	.236	.168
◆ 512-ES1C	ES1C	DO-214AC	Single	150V	1A	0.92V	15ns	.10	.083	.068	.059
◆ 512-EGF1D	EGF1D	TO-220AC	Single	200V	1A	1V	50ns	.30	.277	.244	.204
◆ 512-ES1D	ES1D	DO-214AC	Single	200V	1A	0.92V	15ns	.15	.135	.119	.10
◆ 512-UF4003	UF4003	DO-41	Single	200V	1A	1V	50ns	.34	.27	.201	.143
◆ 512-ES1F	ES1F	DO-214AC	Single	300V	1A	1.3V	35ns	.52	.37	.222	.157
◆ 512-ES1G	ES1G	DO-214AC	Single	400V	1A	1.3V	35ns	.54	.38	.231	.163
◆ 512-UF4004	UF4004	DO-41	Single	400V	1A	1V	50ns	.15	.14	.112	.083
◆ 512-ES1H	ES1H	DO-214AC	Single	500V	1A	1.7V	35ns	.54	.38	.231	.163
◆ 512-ES1J	ES1J	DO-214AC	Single	600V	1A	1.7V	35ns	.54	.38	.231	.163
◆ 512-UF4005	UF4005	DO-41	Single	600V	1A	1.7V	75ns	.11	.081	.078	.063
◆ 512-UF4006	UF4006	DO-41	Single	800V	1A	1.7V	75ns	.15	.14	.112	.083
◆ 512-UF4007	UF4007	DO-41	Single	1000V	1A	1.7V	75ns	.33	.26	.20	.142
◆ 512-ES2A	ES2A	DO-214AA	Single	50V	2A	0.95V	20ns	.16	.121	.118	.094
◆ 512-ES2B	ES2B	DO-214AA	Single	100V	2A	0.95V	20ns	.21	.19	.167	.136
◆ 512-ES2C	ES2C	DO-214AA	Single	150V	2A	0.95V	20ns	.23	.206	.181	.152
◆ 512-EGP20D	EGP20D	DO-15	Single	200V	2A	0.95V	50ns	.46	.39	.334	.288
◆ 512-ES2D	ES2D	DO-214AA	Single	200V	2A	0.95V	20ns	.23	.206	.181	.152
◆ 512-EGP20G	EGP20G	DO-15	Single	400V	2A	1.25V	50ns	.46	.39	.334	.288
◆ 512-ES3A	ES3A	DO-214AB	Single	50V	3A	0.95V	20ns	.34	.303	.266	.224
◆ 512-ES3B	ES3B	DO-214AB	Single	100V	3A	0.95V	20ns	.34	.303	.266	.224
◆ 512-ES3C	ES3C	DO-214AB	Single	150V	3A	0.95V	20ns	.49	.40	.325	.271
◆ 512-EGP30D	EGP30D	DO-201AD	Single	200V	3A	0.95V	50ns	.64	.52	.40	.343
◆ 512-ES3D	ES3D	DO-214AB	Single	200V	3A	0.95V	20ns	.34	.303	.266	.224
◆ 512-EGP30F	EGP30F	DO-201AD	Single	300V	3A	1.25V	50ns	.64	.52	.40	.343
◆ 512-EGP30J	EGP30J	DO-201AD	Single	600V	3A	1.7V	75ns	.64	.52	.40	.343
◆ 512-ES3J	ES3J	DO-214AB	Single	600V	3A	1.7V	20ns	.23	.189	.155	.134
◆ 512-EGP30K	EGP30K	DO-201AD	Single	800V	3A	1.7V	75ns	.64	.52	.40	.343
◆ 512-FFD10UP20S	FFD10UP20S	TO-220F	Single	200V	10A	1.15V	35ns	.65	.50	.445	.381
◆ 512-FFPF10UP20STU	FFPF10UP20STU	TO-220F	Single	200V	10A	1V	32ns	.73	.56	.491	.427
◆ 512-FFPF10UP60STU	FFPF10UP60STU	TO-220F	Single	600V	10A	2.2V	40ns	.77	.60	.523	.441
◆ 512-FES16CT	FES16CT	TO-220AC	Single	150V	16A	0.975V	35ns	1.07	.749	.616	.578
◆ 512-FES16DT	FES16DT	TO-220AC	Single	200V	16A	0.975V	35ns	1.01	.732	.711	.568
◆ 512-FES16DTR	FES16DTR	TO-220AC	Single	200V	16A	0.975V	35ns	1.07	.95	.828	.721
◆ 512-FES16GT	FES16GT	TO-220AC	Single	400V	16A	1.3V	50ns	.85	.684	.561	.486
◆ 512-RHRG3060	RHRG3060	TO-247	Single	600V	30A	2.1V	45ns	2.64	2.36	2.12	1.89
◆ 512-FEP16DTD	FEP16DTD	TO-220AB	Dual	200V	16A	0.975V	35ns	1.05	.867	.837	.671
◆ 512-FEP16GTD	FEP16GTD	TO-220AB	Dual	400V	16A	1.3V	50ns	1.30	.83	.682	.64
◆ 512-FEP16JTD	FEP16JTD	TO-220AB	Dual	600V	16A	1.5V	50ns	1.30	1.03	.927	.799
◆ 512-FEP16BTA	FEP16BTA	TO-220AB	Common Anode	100V	16A	0.975V	35ns	1.04	.80	.794	.705
◆ 512-FEP16CTA	FEP16CTA	TO-220AB	Common Anode	150V	16A	0.975V	35ns	.89	.743	.717	.574
◆ 512-FEP16DTA	FEP16DTA	TO-220AB	Common Anode	200V	16A	0.975V	35ns	1.08	.817	.794	.634
◆ 512-FEP16GTA	FEP16GTA	TO-220AB	Common Anode	400V	16A	1.3V	50ns	1.30	1.03	.927	.799
◆ 512-FEP16JTA	FEP16JTA	TO-220AB	Common Anode	600V	16A	1.5V	50ns	1.05	.867	.837	.671
◆ 512-FFPF20UP60DNTU	FFPF20UP60DNTU	TO-220F	Common Cathode	600V	10A	2.2V	70ns	1.07	.86	.745	.653
◆ 512-FEP16BT	FEP16BT	TO-220AB	Common Cathode	100V	16A	0.975V	35ns	.94	.783	.756	.605
◆ 512-FEP16CT	FEP16CT	TO-220AB	Common Cathode	150V	16A	0.975V	35ns	.98	.71	.691	.40
◆ 512-FEP16DT	FEP16DT	TO-220AB	Common Cathode	200V	16A	0.975V	35ns	.76	.73	.711	.42
◆ 512-FEP16FT	FEP16FT	TO-220AB	Common Cathode	300V	16A	1.3V	50ns	.98	.70	.686	.40
◆ 512-FEP16GT	FEP16GT	TO-220AB	Common Cathode	400V	16A	1.3V	50ns	1.01	.73	.711	.42
◆ 512-FEP16HT	FEP16HT	TO-220AB	Common Cathode	500V	16A	1.5V	50ns	.92	.76	.756	.441
◆ 512-FEP16JT	FEP16JT	TO-220AB	Common Cathode	600V	16A	1.5V	50ns	1.03	.73	.72	.42

## FAST RECOVERY RECTIFIERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Configuration	Max Repetitive Reverse Voltage	Avg Rectified Forward Current	Max Instantaneous Forward Voltage	Max Reverse Recovery Time	Price Each			
								1	25	100	250
◆ 512-RGP10A	RGP10A	DO-41	Single	50V	1A	1.3V	150ns	.72	.33	.228	.162
◆ 512-1N4934	1N4934	DO-41	Single	100V	1A	1.2V	150ns	.06	.058	.046	.034
◆ 512-RGF1B	RGF1B	DO-214AC	Single	100V	1A	1.3V	150ns	.41	.34	.267	.192