

# FAIRCHILD Diodes and Rectifiers

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

**FAIRCHILD**  
SEMICONDUCTOR

## STEALTH™ DIODES

◆ Surface Mount Device

PRODUCT **NEW**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Max. Repetitive Reverse Voltage	Avg. Rectified Forward Current	Max. Instantaneous Forward Voltage	Max. Reverse Recovery Time	Price Each			
							1	25	100	250
512-FFP04S60STU	FFPF04S60STU	TO-220F	600V	4A	2.6V	23ns	.80	.70	.60	.391
512-ISL9K460P3	ISL9K460P3	TO-220	600V	4A	2.4V	22ns	1.30	1.17	1.03	.838
512-ISL9R460PF2	ISL9R460PF2	TO-220F	600V	4A	2.4V	22ns	.75	.65	.574	.453
512-FFP08H60STU	FFP08H60STU	TO-220AC	600V	8A	2.1V	35ns	.63	.58	.538	.496
512-FFP08S60SNTU	FFP08S60SNTU	TO-220AC	600V	8A	3.4V	25ns	.69	.60	.552	.50
512-FFP08S60STU	FFP08S60STU	TO-220	600V	8A	2.6V	25ns	.88	.796	.698	.539
512-FFP08H60STU	FFPF08H60STU	TO-220F	600V	8A	2.1V	35ns	1.00	.80	.70	.60
512-FFP08S60SNTU	FFPF08S60SNTU	TO-220F	600V	8A	3.4V	32ns	.96	.95	.764	.67
512-FFP08S60STU	FFPF08S60STU	TO-220F	600V	8A	2.6V	25ns	1.32	1.05	.924	.802
512-ISL9R860P2	ISL9R860P2	TO-220AC	600V	8A	2.4V	30ns	.92	.802	.64	.542
512-ISL9R860PF2	ISL9R860PF2	TO-220F	600V	8A	2.4V	25ns	.80	.67	.549	.52
512-ISL9R860S3ST	ISL9R860S3ST	TO-263	600V	8A	2.4V	30ns	1.48	1.17	1.05	.909
512-ISL9R8120P2	ISL9R8120P2	TO-220AC	1200V	8A	3.3V	44ns	1.44	1.14	1.00	.873
512-FFP15S60STU	FFP15S60STU	TO-220AC	600V	15A	2.6V	30ns	1.41	1.12	.987	.866
512-FFP15S60SNTU	FFPF15S60SNTU	TO-220F	600V	15A	2.6V	25ns	1.41	1.12	.987	.866
512-ISL9R1560P2	ISL9R1560P2	TO-220AC	600V	15A	2.2V	40ns	1.49	1.33	1.16	1.03
512-ISL9R1560PF2	ISL9R1560PF2	TO-220F	600V	15A	2.2V	40ns	1.68	1.30	1.17	1.04
512-ISL9R1560S3ST	ISL9R1560S3ST	TO-263	600V	15A	2.2V	40ns	2.08	1.85	1.62	1.44
512-FFH30S60STU	FFH30S60STU	TO-247	600V	30A	2.6V	35ns	4.49	4.04	3.59	2.81
512-ISL9R3060G2	ISL9R3060G2	TO-247	600V	30A	2.4V	45ns	3.04	2.73	2.42	2.18
512-ISL9R3060P2	ISL9R3060P2	TO-220AC	600V	30A	2.4V	45ns	2.86	2.56	2.27	2.05
512-FFH50S60S	FFH50S60S	TO-247	600V	50A	1.54V	80ns	3.66	3.29	2.91	2.63

## SCHOTTKY BARRIER RECTIFIERS

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◆ Surface Mount Device

MOUSER STOCK NO.	Fairchild Part No.	Description	V <sub>RRM</sub> (V)	I <sub>FAV</sub> (A)	Price Each			V <sub>RRM</sub> (V)	I <sub>FAV</sub> (A)	Price Each		
					1	25	100			1	25	100
Single												
512-MBR0520L	MBR0520L	SOD-123	20	0.5	.13	.12	.105					
512-SB120	SB120	DO-41	20	1.0	.49	.27	.209					
512-SS12	SS12	DO-214AC	20	1.0	.25	.231	.189					
512-SS22	SS22	DO-214AA	20	2.0	.36	.302	.276					
512-1N5820	1N5820	DO-201AD	20	3.0	.44	.38	.321					
512-MBRS320	MBRS320	DO-214AB	20	3.0	.44	.29	.244					
512-SB320	SB320	DO-201AD	20	3.0	.52	.37	.313					
512-SS32	SS32	DO-214AB	20	3.0	.52	.45	.379					
512-SB520	SB520	DO-201AD	20	5.0	.49	.46	.361					
512-BAR43	BAR43	SOT-23	30	0.2	.13	.073	.068					
512-BAT54XV2	BAT54XV2	SOD-523F	30	0.2	.29	.21	.136					
512-RB520S30	RB520S30	SOD-523F	30	0.2	.25	.17	.086					
512-RB521S30	RB521S30	SOD-523F	30	0.2	.26	.177	.089					
512-BAT54	BAT54	SOT-23	30	0.3	.09	.051	.048					
512-BAT54D87Z	BAT54_D87Z	SOT-23	30	0.3	.24	.17	.104					
512-MBR0530	MBO0530	SOD-123	30	0.5	.11	.102	.084					
512-1N5818	1N5818	DO-41	30	1.0	.20	.19	.156					
512-FMKA130L	FMKA130L	DO-214AC	30	1.0	.41	.34	.267					
512-MBRS130	MBRS130	DO-214AA	30	1.0	.32	.30	.246					
512-MBRS130L	MBRS130L	DO-214AA	30	1.0	.32	.30	.246					
512-SS13	SS13	DO-214AC	30	1.0	.41	.33	.264					
512-BAT54HT1G	BAT54HT1G	SOD-323	30	2.0	.36	.26	.166					
512-SS23	SS23	DO-214AA	30	2.0	.29	.247	.202					
512-1N5821	1N5821	DO-201AD	30	3.0	.44	.38	.321					
512-SS33	SS33	DO-214AB	30	3.0	.52	.45	.379					
512-SB530	SB530	DO-201AD	30	5.0	.44	.29	.244					
512-RB751S40	RB751S40	SOD-523F	40	0.03	.25	.172	.086					
512-BAS40SL	BAS40SL	SOD-923	40	0.1	.42	.30	.191					
512-MBR0540	MBO0540	SOD-123	40	0.5	.12	.11	.091					
512-FYV0704SMTF	FYV0704SMTF	SOT-23	40	0.75	.29	.267	.219					
512-1N5817	1N5817	DO-41	40	1.0	.20	.19	.156					
512-1N5819	1N5819	DO-41	40	1.0	.11	.09	.078					
512-MBRS140	MBRS140	DO-214AA	40	1.0	.32	.30	.246					
512-SB140	SB140	DO-41	40	1.0	.21	.20	.164					
512-SS14	SS14	DO-214AC	40	1.0	.25	.23	.188					
512-SS24	SS24	DO-214AA	40	2.0	.35	.29	.265					
512-1N5822	1N5822	DO-214AD	40	3.0	.44	.38	.321					
512-MBRS340	MBRS340	DO-214AB	40	3.0	.57	.49	.405					
512-SB340	SB340	DO-201AD	40	3.0	.42	.39	.309					
512-SS34	SS34	DO-214AB	40	3.0	.52	.44	.375					
512-FYD0504SATM	FYD0504SATM	TO-252	40	5.0	.68	.626	.513					
512-SB540	SB540	DO-201AD	40	5.0	.49	.46	.361					
512-MBR745	MBR745	TO-220AC	45	7.5	1.64	1.49	1.22					
512-MBR1045	MBR1045	TO-220AC	45	10.0	.94	.83	.723					
512-SB1245	SB1245	DO-201AD	45	12.0	2.29	2.01	1.75					
512-MBR1645	MBR1645	TO-220AC	45	16.0	1.20	.92	.917					
512-RS1A	RS1A	DO-214AC	50	1.0	.32	.25	.186					
512-SS25	SS25	DO-214AA	50	2.0	.35	.29	.265					
512-SB350	SB350	DO-201AD	50	3.0	.47	.45	.342					
512-SS35	SS35	DO-214AB	50	3.0	.56	.48	.41					
512-SB550	SB550	DO-201AD	50	5.0	.50	.43	.369					
512-SB160	SB160	DO-41	60	1.0	.29	.266	.218					
512-SS16	SS16	DO-214AC	60	1.0	.37	.25	.247					
512-SS26	SS26	DO-214AA	60	2.0	.39	.362	.297					
512-SB360	SB360	DO-201AD	60	3.0	.47	.45	.342					
Single (Cont.)												
512-SS36	SS36	DO-214AB	60	3.0	.56	.48	.41					
512-SB560	SB560	DO-201AD	60	5.0	.50	.43	.369					
512-MBR760	MBR760	TO-220AC	60	7.5	.95	.76	.667					
512-MBR1060	MBR1060	TO-220AC	60	10.0	.88	.783	.723					
512-MBR1660	MBR1660	TO-220AC	60	16.0	.92	.816	.784					
512-SB180	SB180	DO-41	80	1.0	.23	.221	.181					
512-SS18	SS18	DO-214AC	80	1.0	.49	.37	.258					
512-SS28	SS28	DO-214AA	80	2.0	.49	.40	.325					
512-SB380	SB380	DO-201AD	80	3.0	.53	.39	.331					
512-SS38	SS38	DO-214AB	80	3.0	.56	.48	.41					
512-SB580	SB580	DO-201AD	80	5.0	.52	.449	.385					
512-SS29	SS29	DO-214AA	90	2.0	.49	.40	.325					
512-RS1B	RS1B	DO-214AC	100	1.0	.32	.25	.186					
512-S100	S100	DO-214AC	100	1.0	.42	.31	.306					
512-SB1100	SB1100	DO-41	100	1.0	.17	.147	.129					
512-S210	S210	DO-214AA	100	2.0	.55	.466	.381					
512-S310	S310	DO-214AB	100	3.0	.73	.64	.56					
512-SB3100	SB3100	DO-201AD	100	3.0	.64	.49	.428					
512-SB5100	SB5100	DO-201AD	100	5.0	.74	.55	.51					
512-RS1D	RS1D	DO-214AC	200	1.0	.19	.174	.142					
512-S320	SS320	DO-214AA	200	3.0	.55	.44	.33					
512-RS1G	RS1G	DO-214AC	400	1.0	.08	.07	.057					
512-RS1J												