

## Ultra Low VF Schottky Rectifiers

Part Number	Package	V <sub>RWM</sub> (V)	I <sub>o</sub> (A)	I <sub>FSM</sub> Max. (A)	V <sub>F</sub> Max. (V)	I <sub>R</sub> Max. @V <sub>RWM</sub> (mA)	Datesheet
ST1040S	TO-277B	40	10	150	0.47	0.3	
ST1045AX	R-6	45	10	150	0.56	1	
ST1045S	TO-277B	45	10	150	0.57	0.8	
ST1045	TO-220AC	45	10	150	0.68	0.5	
STF1045	ITO-220AC	45	10	150	0.68	0.5	
STB1045	D2PAK	45	10	150	0.68	0.5	
STD1045	DPAK	45	10	150	0.68	0.5	
STF1045C	ITO-220AB	45	10	120	0.58	0.5	
ST1045C	TO-220AB	45	10	120	0.58	0.5	
STB1045C	D2PAK	45	10	120	0.58	0.5	
STD1045C	DPAK	45	10	120	0.58	0.5	
ST1545AX	R-6	45	15	200	0.59	0.8	
ST1545S	TO-277B	45	15	200	0.58	1.5	
STF1545C	ITO-220AB	45	15	120	0.63	0.5	
ST1545C	TO-220AB	45	15	120	0.63	0.5	
STB1545C	D2PAK	45	15	120	0.63	0.5	
STD1545C	DPAK	45	15	120	0.63	0.5	
ST2045AX	R-6	45	20	250	0.58	1.2	
ST2045	TO-220AC	45	20	250	0.66	2	
STF2045	ITO-220AC	45	20	250	0.66	2	
STB2045	D2PAK	45	20	250	0.66	2	
STD2045	DPAK	45	20	250	0.66	2	
ST2045C	TO-220AB	45	20	150	0.58	2	
STF2045C	ITO-220AB	45	20	150	0.58	2	
STB2045C	D2PAK	45	20	150	0.58	2	
STD2045C	DPAK	45	20	150	0.58	2	
ST3045C	TO-220AB	45	30	200	0.57	2	
STB3045C	D2PAK	45	30	200	0.57	2	
STF3045C	ITO-220AB	45	30	200	0.57	2	
ST4045C	TO-220AB	45	40	240	0.58	3	
STB4045C	D2PAK	45	40	240	0.58	3	
STF4045C	ITO-220AB	45	40	240	0.58	3	
ST1050S	TO-277B	50	10	150	0.55	1.5	
ST1050AX	R-6	50	10	150	0.55	1.5	
STF2050C	ITO-220AB	50	20	150	0.55	1.5	
ST1550S	TO-277B	50	15	200	0.56	3	
ST1550AX	R-6	50	15	200	0.56	3	
ST2050S	TO-277B	50	20	250	0.65	4	
ST2050DJF	PDFNWB5x6-8L	50	20	250	0.65	4	
ST2050AX	R-6	50	20	250	0.65	4	
ST3050DJF	PDFNWB5x6-8L	50	30	180	0.5	0.4	
STF4050C	ITO-220AB	50	40	250	0.6	1	
STB560	D2PAK	60	5	100	0.7	0.7	
STD560	DPAK	60	5	100	0.7	0.7	
ST560	TO-220AC	60	5	100	0.7	0.7	

Part Number	Package	V <sub>RWM</sub> (V)	I <sub>o</sub> (A)	I <sub>FSM</sub> Max. (A)	V <sub>F</sub> Max. (V)	I <sub>R</sub> Max. @V <sub>RWM</sub> (mA)	Datesheet
STF560	ITO-220AC	60	5	100	0.7	0.7	
ST560S	TO-277B	60	5	100	0.7	0.7	
STD860	DPAK	60	8	130	0.7	1.12	
STB860	D2PAK	60	8	130	0.7	1.12	
ST860	TO-220AC	60	8	130	0.7	1.12	
STF860	ITO-220AC	60	8	130	0.7	1.12	
ST860S	TO-277B	60	8	140	0.61	0.6	
ST1060C	TO-220AB	60	10	100	0.7	0.7	
STF1060C	ITO-220AB	60	10	100	0.7	0.7	
STF1060CR	ITO-220AB	60	10	100	0.7	0.7	
STD1060C	DPAK	60	10	100	0.7	0.7	
STB1060C	D2PAK	60	10	100	0.7	0.7	
STD1060	DPAK	60	10	150	0.65	0.85	
STB1060	D2PAK	60	10	150	0.65	0.85	
ST1060	TO-220AC	60	10	150	0.65	0.85	
STF1060	ITO-220AC	60	10	150	0.65	0.85	
ST1060S	TO-277B	60	10	275	0.49	0.36	
ST1560C	TO-220AB	60	15	130	0.65	3.5	
STF1560C	ITO-220AB	60	15	130	0.65	3.5	
STF1560CR	ITO-220AB	60	15	130	0.65	3.5	
STD1560C	DPAK	60	15	130	0.65	3.5	
STB1560C	D2PAK	60	15	130	0.65	3.5	
STD1560	DPAK	60	15	170	0.7	1.2	
STB1560	D2PAK	60	15	170	0.7	1.2	
ST1560	TO-220AC	60	15	170	0.7	1.2	
STF1560	ITO-220AC	60	15	170	0.7	1.2	
ST2060C	TO-220AB	60	20	150	0.65	0.85	
STF2060C	ITO-220AB	60	20	150	0.65	0.85	
STF2060CR	ITO-220AB	60	20	150	0.65	0.85	
STB2060C	D2PAK	60	20	150	0.65	0.85	
ST2060DJF	PDFNWB5x6-8L	60	20	150	0.75	1	
STB2060	D2PAK	60	20	240	0.62	6	
ST2060	TO-220AC	60	20	240	0.62	6	
STF2060	ITO-220AC	60	20	240	0.62	6	
STB3060C	D2PAK	60	30	170	0.7	1.2	
ST3060C	TO-220AB	60	30	170	0.7	1.2	
ST3060LC	TO-220AB	60	30	170	0.55	0.3	
STF3060C	ITO-220AB	60	30	170	0.7	1.2	
STF3060CR	ITO-220AB	60	30	170	0.7	1.2	
ST3060DJF	PDFNWB5x6-8L	60	30	240	0.7	6	
STB4060C	D2PAK	60	40	240	0.62	6	
ST4060C	TO-220AB	60	40	240	0.62	6	
STF4060C	ITO-220AB	60	40	240	0.62	6	
STF4060CR	ITO-220AB	60	40	240	0.62	6	
ST580S	TO-277B	80	5	80	0.72	0.4	
ST880S	TO-277B	80	8	140	0.66	0.7	
STF1080C	ITO-220AB	80	10	80	0.72	0.4	
ST2080C	TO-220AB	80	20	100	0.81	0.6	

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STB2080C	D2PAK	80	20	100	0.81	0.6	
STF2080C	ITO-220AB	80	20	100	0.81	0.6	
ST2080S	TO-277B	80	20	150	0.7	0.3	
ST3080C	TO-220AB	80	30	150	0.82	0.7	
STB3080C	D2PAK	80	30	150	0.82	0.7	
STF3080C	ITO-220AB	80	30	150	0.82	0.7	
STB4080C	D2PAK	80	40	300	0.75	1	
STF4080C	ITO-220AB	80	40	300	0.75	1	
STF6080C	ITO-220AB	80	60	300	0.85	1	
STD5100C	DPAK	100	5	100	0.75	0.1	
STD5100	DPAK	100	5	120	0.75	0.12	
ST5100	TO-220AC	100	5	120	0.75	0.12	
STF5100	ITO-220AC	100	5	120	0.75	0.12	
STB5100	D2PAK	100	5	120	0.75	0.12	
ST5100BAX	DO-201AD	100	5	120	0.75	0.12	
ST5100SAX	DO-201AE	100	5	80	0.8	0.1	
ST5100S	TO-277B	100	5	120	0.75	0.12	
ST8100S	TO-277B	100	8	150	0.68	0.07	
ST8100	TO-220AC	100	8	130	0.75	0.2	
STB8100	D2PAK	100	8	130	0.75	0.2	
STF8100	ITO-220AB	100	8	130	0.75	0.2	
STD8100	DPAK	100	8	130	0.75	0.2	
ST10100S	TO-277B	100	10	150	0.68	0.25	
STD10100	DPAK	100	10	150	0.75	0.25	
ST10100	TO-220AC	100	10	150	0.75	0.25	
STF10100	ITO-220AC	100	10	150	0.75	0.25	
STB10100	D2PAK	100	10	150	0.75	0.25	
STD10100C	DPAK	100	10	120	0.75	0.12	
ST10100C	TO-220AB	100	10	120	0.75	0.12	
STF10100C	ITO-220AB	100	10	120	0.75	0.12	
STB10100C	D2PAK	100	10	120	0.75	0.12	
ST12100S	TO-277B	100	12	200	0.7	0.3	
STD12100	DPAK	100	12	200	0.75	0.3	
ST12100	TO-220AC	100	12	200	0.75	0.3	
STF12100	ITO-220AC	100	12	200	0.75	0.3	
STB12100	D2PAK	100	12	200	0.75	0.3	
STD12100C	DPAK	100	12	120	0.75	0.15	
ST12100C	TO-220AB	100	12	120	0.75	0.15	
STF12100C	ITO-220AB	100	12	120	0.75	0.15	
STB12100C	D2PAK	100	12	120	0.75	0.15	
ST15100	TO-220AC	100	15	200	0.75	0.5	
STF15100	ITO-220AC	100	15	200	0.75	0.5	
STB15100	D2PAK	100	15	200	0.75	0.5	
STD15100	DPAK	100	15	200	0.75	0.5	
STD15100C	DPAK	100	15	120	0.75	0.18	
ST15100C	TO-220AB	100	15	120	0.75	0.18	
STF15100C	ITO-220AB	100	15	120	0.75	0.18	
STB15100C	D2PAK	100	15	120	0.75	0.18	

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ST20100	TO-220AC	100	20	250	0.75	1	
STF20100	ITO-220AC	100	20	250	0.75	1	
STB20100	D2PAK	100	20	250	0.75	1	
STD20100	DPAK	100	20	250	0.75	1	
STD20100C	DPAK	100	20	150	0.75	0.3	
ST20100C	TO-220AB	100	20	150	0.75	0.3	
STF20100C	ITO-220AB	100	20	150	0.75	0.3	
STB20100C	D2PAK	100	20	150	0.75	0.3	
STF20100S	ITO-220AB	100	20	300	0.75	1	
ST30100	TO-220AC	100	30	300	0.75	1	
STF30100	ITO-220AC	100	30	300	0.75	1	
STB30100	D2PAK	100	30	300	0.75	1	
ST30100C	TO-220AB	100	30	200	0.75	0.5	
STF30100C	ITO-220AB	100	30	200	0.75	0.5	
STB30100C	D2PAK	100	30	200	0.75	0.5	
STF30100S	ITO-220AB	100	30	300	0.9	1	
ST30100DJF	PDFNWB5x6-8L	100	30	300	0.75	1	
ST40100C	TO-220AB	100	40	300	0.75	1	
STF40100C	ITO-220AB	100	40	300	0.75	1	
STB40100C	D2PAK	100	40	300	0.75	1	
STW40100C	TO-247AD	100	40	300	0.75	1	
ST60100C	TO-220AB	100	60	300	0.9	1	
STF60100C	ITO-220AB	100	60	300	0.9	1	
STB60100C	D2PAK	100	60	300	0.9	1	
STB60100C-A	D2PAK	100	60	300	0.9	1	
STD5120	DPAK	120	5	120	0.88	0.5	
STB5120	D2PAK	120	5	120	0.88	0.5	
ST5120	TO-220AC	120	5	120	0.88	0.5	
STF5120	ITO-220AC	120	5	120	0.88	0.5	
ST10120C	TO-220AB	120	10	120	0.88	0.5	
STF10120C	ITO-220AB	120	10	120	0.88	0.5	
STF10120CR	ITO-220AB	120	10	120	0.88	0.5	
STD10120C	DPAK	120	10	120	0.88	0.5	
STB10120C	D2PAK	120	10	120	0.88	0.5	
ST15120C	TO-220AB	120	15	130	0.88	0.6	
STF15120C	ITO-220AB	120	15	130	0.88	0.6	
STF15120CR	ITO-220AB	120	15	130	0.88	0.6	
STD15120C	DPAK	120	15	130	0.88	0.6	
STB15120C	D2PAK	120	15	130	0.88	0.6	
STD8120	DPAK	120	8	130	0.88	0.6	
STB8120	D2PAK	120	8	130	0.88	0.6	
ST8120	TO-220AC	120	8	130	0.88	0.6	
STF8120	ITO-220AC	120	8	130	0.88	0.6	
STD10120	DPAK	120	10	150	0.9	0.7	
STB10120	D2PAK	120	10	150	0.9	0.7	
ST10120	TO-220AC	120	10	150	0.9	0.7	
STF10120	ITO-220AC	120	10	150	0.9	0.7	
ST20120C	TO-220AB	120	20	150	0.9	0.7	

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STF20120C	ITO-220AB	120	20	150	0.9	0.7	
STF20120CR	ITO-220AB	120	20	150	0.9	0.7	
STB20120C	D2PAK	120	20	150	0.9	0.7	
STD15120	DPAK	120	15	200	0.97	0.8	
STB15120	D2PAK	120	15	200	0.97	0.8	
ST15120	TO-220AC	120	15	200	0.97	0.8	
STF15120	ITO-220AC	120	15	200	0.97	0.8	
STB30120C	D2PAK	120	30	200	0.97	0.8	
ST30120C	TO-220AB	120	30	200	0.97	0.8	
STF30120C	ITO-220AB	120	30	200	0.97	0.8	
STF30120CR	ITO-220AB	120	30	200	0.97	0.8	
STB20120	D2PAK	120	20	250	0.88	0.5	
ST20120	TO-220AC	120	20	250	0.88	0.5	
STF20120	ITO-220AC	120	20	250	0.88	0.5	
STB40120C	D2PAK	120	40	250	0.97	0.5	
ST40120C	TO-220AB	120	40	250	0.97	0.5	
STF40120C	ITO-220AB	120	40	250	0.97	0.5	
STF40120CR	ITO-220AB	120	40	250	0.97	0.5	
STD5150	DPAK	150	5	120	1.41	0.1	
STB5150	D2PAK	150	5	120	1.41	0.1	
ST5150	TO-220AC	150	5	120	1.41	0.1	
STF5150	ITO-220AC	150	5	120	1.41	0.1	
ST5150SAX	DO-201AE	150	5	80	1.2	0.1	
STD8150	DPAK	150	8	130	1.2	0.16	
STB8150	D2PAK	150	8	130	1.2	0.16	
ST8150	TO-220AC	150	8	130	1.2	0.16	
STF8150	ITO-220AC	150	8	130	1.2	0.16	
ST10150C	TO-220AB	150	10	120	1.41	0.1	
STF10150C	ITO-220AB	150	10	120	1.41	0.1	
STF10150CR	ITO-220AB	150	10	120	1.41	0.1	
STD10150C	DPAK	150	10	120	1.41	0.1	
STB10150C	D2PAK	150	10	120	1.41	0.1	
STD10150	DPAK	150	10	150	1.2	0.15	
STB10150	D2PAK	150	10	150	1.2	0.15	
ST10150	TO-220AC	150	10	150	1.2	0.15	
STF10150	ITO-220AC	150	10	150	1.2	0.15	
ST15150C	TO-220AB	150	15	130	1.2	0.15	
STF15150C	ITO-220AB	150	15	130	1.2	0.15	
STF15150CR	ITO-220AB	150	15	130	1.2	0.15	
STD15150C	DPAK	150	15	130	1.2	0.15	
STB15150C	D2PAK	150	15	130	1.2	0.15	
STD15150	DPAK	150	15	200	1.36	0.2	
STB15150	D2PAK	150	15	200	1.36	0.2	
ST15150	TO-220AC	150	15	200	1.36	0.2	
STF15150	ITO-220AC	150	15	200	1.36	0.2	
ST20150C	TO-220AB	150	20	150	1.2	0.15	
STB20150C	D2PAK	150	20	150	1.2	0.15	
STF20150C	ITO-220AB	150	20	150	1.2	0.15	

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STF20150CR	ITO-220AB	150	20	150	1.2	0.15	
STD20150	DPAK	150	20	200	1.55	0.2	
STB20150	D2PAK	150	20	250	1.43	0.25	
ST20150	TO-220AC	150	20	250	1.43	0.25	
STF20150	ITO-220AC	150	20	250	1.43	0.25	
STB30150C	D2PAK	150	30	200	1.36	0.2	
ST30150C	TO-220AB	150	30	200	1.36	0.2	
STF30150C	ITO-220AB	150	30	200	1.36	0.2	
STF30150CR	ITO-220AB	150	30	200	1.36	0.2	
STB40150C	D2PAK	150	40	250	1.43	0.25	
ST40150C	TO-220AB	150	40	250	1.43	0.25	
STF40150C	ITO-220AB	150	40	250	1.43	0.25	
STF40150CR	ITO-220AB	150	40	250	1.43	0.25	
STD5200	DPAK	200	5	120	1.6	0.15	
STB5200	D2PAK	200	5	120	1.6	0.15	
ST5200	TO-220AC	200	5	120	1.6	0.15	
STF5200	ITO-220AC	200	5	120	1.6	0.15	
ST5200BAX	DO-201AD	200	5	120	1.6	0.15	
STD8200	DPAK	200	8	130	1.6	0.24	
STB8200	D2PAK	200	8	130	1.6	0.24	
ST8200	TO-220AC	200	8	130	1.6	0.24	
STF8200	ITO-220AC	200	8	130	1.6	0.24	
ST10200C	TO-220AB	200	10	120	1.6	0.15	
STF10200C	ITO-220AB	200	10	120	0.9	0.15	
STF10200LC	ITO-220AB	200	10	120	0.8	0.15	
STF10200CR	ITO-220AB	200	10	120	0.9	0.15	
STD10200C	DPAK	200	10	120	1.6	0.15	
STB10200C	D2PAK	200	10	120	1.6	0.15	
STD10200	DPAK	200	10	150	1.6	0.15	
STB10200	D2PAK	200	10	150	1.6	0.15	
ST10200	TO-220AC	200	10	150	1.6	0.15	
STF10200	ITO-220AC	200	10	150	1.6	0.15	
ST15200C	TO-220AB	200	15	130	1.6	0.23	
STF15200C	ITO-220AB	200	15	130	1.6	0.23	
STF15200CR	ITO-220AB	200	15	130	1.6	0.23	
STD15200C	DPAK	200	15	130	1.6	0.23	
STB15200C	D2PAK	200	15	130	1.6	0.23	
STD15200	DPAK	200	15	200	1.1	0.16	
STB15200	D2PAK	200	15	200	1.1	0.16	
ST15200	TO-220AC	200	15	200	1.1	0.16	
STF15200	ITO-220AC	200	15	200	1.1	0.16	
ST20200C	TO-220AB	200	20	150	1.6	0.15	
STF20200C	ITO-220AB	200	20	150	1.6	0.15	
STF20200CR	ITO-220AB	200	20	150	1.6	0.15	
STB20200C	D2PAK	200	20	150	1.6	0.15	
STB20200	D2PAK	200	20	250	1.6	0.3	
ST20200	TO-220AC	200	20	250	1.6	0.3	
STF20200	ITO-220AC	200	20	250	1.6	0.3	

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STB30200C	D2PAK	200	30	200	1.1	0.16	
ST30200C	TO-220AB	200	30	200	1.1	0.16	
STF30200C	ITO-220AB	200	30	200	1.1	0.16	
STF30200CR	ITO-220AB	200	30	200	1.1	0.16	
STW30200C	TO-247AD	200	30	200	1.1	0.16	
STB40200C	D2PAK	200	40	250	1.6	0.3	
ST40200C	TO-220AB	200	40	250	1.6	0.3	
STF40200C	ITO-220AB	200	40	250	1.6	0.3	
STF40200CR	ITO-220AB	200	40	250	1.6	0.3	
ST1300A	SMA	300	1	40	1.1	0.005	