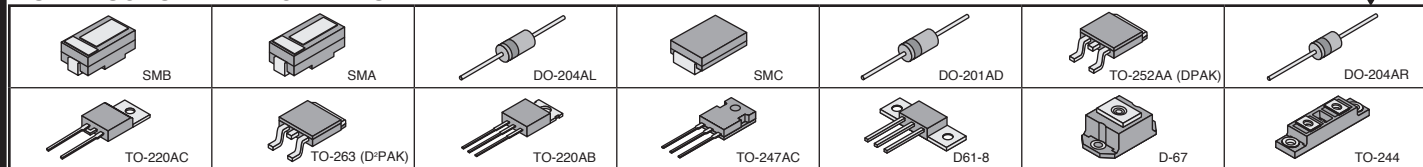


# VISHAY Rectifiers

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

## VISHAY SCHOTTKY RECTIFIERS



### Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Package	V <sub>RRM</sub> (V)	I <sub>FSM</sub> (A)	Price Each			
					1	10	100	500
<b>1.0 Amp</b>								
◆ 844-10BQ015PBF	10BQ015PBF	SMB	15	140	.50	.41	.30	.22
◆ 844-10BQ015TRPBF	10BQ015TRPBF	SMB	15	140	.85	.70	.60	.40
◆ 844-MBRS130TRPBF	MBRS130TRPBF	SMB	30	230	.59	.45	.43	.23
◆ 844-MBRS130LTRPBF	MBRS130LTRPBF	SMB	30	230	.70	.50	.40	.32
◆ 844-STPS1L30UPBF	STPS1L30UPBF	SMB	30	360	.99	.70	.50	.38
◆ 844-10BQ030TRPBF	10BQ030TRPBF	SMB	30	430	.96	.69	.53	.39
◆ 844-MBRA140TRPBF	MBRA140TRPBF	SMA	40	120	.50	.40	.26	.16
844-1N5819	1N5819	DO-204AL	40	225	.60	.34	.224	.183
◆ 844-MBRS140TRPBF	MBRS140TRPBF	SMB	40	380	.25	.23	.208	.161
◆ 844-10BQ040PBF	10BQ040PBF	SMB	40	430	.45	.37	.28	.20
◆ 844-10BQ040TRPBF	10BQ040TRPBF	SMB	40	430	.72	.58	.44	.30
844-MBR160	MBR160	DO-204AL	60	150	.08	.07	.063	.058
◆ 844-10BQ060PBF	10BQ060PBF	SMB	60	700	.49	.41	.31	.21
◆ 844-10BQ060TRPBF	10BQ060TRPBF	SMB	60	700	.84	.55	.40	.30
◆ 844-MBRS190TRPBF	MBRS190TRPBF	SMB	90	870	.42	.40	.351	.30
844-MBR1100	MR1100	DO-204AL	100	200	.39	.30	.20	.13
◆ 844-10BQ100PBF	10BQ100PBF	SMB	100	700	.19	.18	.143	.119
◆ 844-10BQ100TRPBF	10BQ100TRPBF	SMB	100	700	.89	.82	.59	.41
◆ 844-MBRS1100TRPBF	MBRS1100TRPBF	SMB	100	870	.40	.38	.28	.20
<b>1.1 Amp</b>								
844-11DQ04	11DQ04	DO-204AL	40	225	.45	.37	.28	.215
844-11DQ05	11DQ05	DO-204AL	50	150	.50	.42	.31	.22
844-11DQ06	11DQ06	DO-204AL	60	150	.50	.42	.31	.22
844-11DQ10	11DQ10	DO-204AL	100	85	.55	.45	.32	.245
<b>2.0 Amp</b>								
◆ 844-20BQ030PBF	20BQ030PBF	SMB	30	350	.58	.48	.35	.25
◆ 844-20BQ030TRPBF	20BQ030TRPBF	SMB	30	350	.68	.58	.45	.32
<b>2.1 Amp</b>								
◆ 844-10MQ040NPBF	10MQ040NPBF	SMA	40	120	.48	.40	.29	.21
◆ 844-10MQ040NTRPBF	10MQ040NTRPBF	SMA	40	120	.60	.55	.41	.28
◆ 844-10MQ060NPBF	10MQ060NPBF	SMA	60	40	.48	.40	.29	.21
◆ 844-10MQ060NTRPBF	10MQ060NTRPBF	SMA	60	40	.83	.60	.41	.31
◆ 844-10MQ100NPBF	10MQ100NPBF	SMA	100	120	.40	.34	.25	.18
◆ 844-10MQ100NTRPBF	10MQ100NTRPBF	SMA	100	120	.49	.304	.209	.194
<b>3.0 Amp</b>								
◆ 844-30BQ015PBF	30BQ015PBF	SMC	15	650	1.12	.98	.78	.59
◆ 844-30BQ015TRPBF	30BQ015TRPBF	SMC	15	650	1.84	1.50	1.30	.98
◆ 844-15MQ040NPBF	15MQ040NPBF	SMA	40	330	.71	.61	.46	.34
◆ 844-15MQ040NTRPBF	15MQ040NTRPBF	SMA	40	330	.97	.80	.57	.385
◆ 844-MBRS340TRPBF	MBRS340TRPBF	SMC	40	1580	.79	.69	.54	.34
◆ 844-30BQ040PBF	30BQ040PBF	SMC	40	2000	.78	.60	.50	.39
◆ 844-30BQ040TRPBF	30BQ040TRPBF	SMC	40	2000	1.98	1.40	1.05	.90
◆ 844-30BQ060PBF	30BQ060PBF	SMC	60	1200	.78	.60	.52	.35
◆ 844-30BQ060TRPBF	30BQ060TRPBF	SMC	60	1200	1.19	.94	.82	.57
◆ 844-30BQ100PBF	30BQ100PBF	SMC	100	800	.75	.61	.53	.36
◆ 844-30BQ100TRPBF	30BQ100TRPBF	SMC	100	800	1.27	.89	.74	.59
<b>3.3 Amp</b>								
844-31DQ10	31DQ10	DO-201AD	100	210	1.06	.88	.69	.53
<b>3.5 Amp</b>								
844-30WQ06FNPF	30WQ06FNPF	TO-252AA	60	490	1.48	1.08	.881	.566
844-30WQ03FNPF	30WQ03FNPF	TO-252AA	100	535	.77	.73	.57	.46
<b>5.0 Amp</b>								
844-50SQ080	50SQ080	DO-204AR	80	1900	2.10	1.34	1.04	.95
844-50SQ100	50SQ100	DO-204AR	100	1900	2.74	2.47	1.98	1.53
<b>5.5 Amp</b>								
◆ 844-50WQ03FNPF	50WQ03FNPF	TO-252AA	30	320	.59	.58	.478	.39
◆ 844-50WQ04FNPF	50WQ04FNPF	TO-252AA	40	340	.68	.65	.418	.418
◆ 844-50WQ06FNPF	50WQ06FNPF	TO-252AA	60	320	.76	.62	.465	.465
◆ 844-50WQ10FNPF	50WQ10FNPF	TO-252AA	100	330	1.02	.98	.636	.624
<b>7.0 Amp</b>								
◆ 844-6CWQ03FNTRPBF	6CWQ03FNTRPBF	TO-252AA	30	535	2.02	1.34	1.07	.941
◆ 844-6CWQ04FNPF	6CWQ04FNPF	TO-252AA	40	500	2.02	1.34	1.00	.94
◆ 844-6CWQ10FNPF	6CWQ10FNPF	TO-252AA	100	440	1.88	1.25	.878	.878
<b>7.5 Amp</b>								
844-MBR735PBF	MBR735PBF	TO-220AC	35	690	1.23	1.10	.85	.65
844-MBR745PBF	MBR745PBF	TO-220AC	45	690	1.23	1.10	.85	.65
<b>8.0 Amp</b>								
844-80SQ035	80SQ035	DO-204AR	35	2400	1.84	1.66	1.33	1.02
844-80SQ040	80SQ040	DO-204AR	40	2400	2.25	2.03	1.62	1.25
844-80SQ045	80SQ045	DO-204AR	45	2400	2.30	2.02	1.62	1.25
844-8TQ060PBF	8TQ060PBF	TO-220AC	60	850	2.23	2.05	1.52	1.35
844-8TQ080SPBF	8TQ080SPBF	TO-220AC	80	850	2.24	2.01	1.61	1.25
844-8TQ100PBF	8TQ100PBF	TO-220AC	100	850	1.58	1.45	1.16	.90
◆ 844-8TQ100SPBF	8TQ100SPBF	TO-263	100	850	1.62	1.46	1.16	.90
◆ 844-8TQ100STRPBF	8TQ100STRPBF	TO-263	100	850	1.04	1.00	.86	.80
<b>9.0 Amp</b>								
844-95SQ015	95SQ015	DO-204AR	15	850	3.30	2.95	2.40	1.92

### Surface Mount Device

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					1	10	100	500
<b>9.0 Amp (Cont.)</b>								
844-90SQ030	90SQ030	DO-204AR	30	2150	2.16	1.94	1.56	1.21
844-90SQ035	90SQ035	DO-204AR	35	2150	1.93	1.74	1.56	1.08
844-90SQ040	90SQ040	DO-204AR	40	2150	2.16	1.94	1.56	1.21
◆ 844-90SQ045	90SQ045	DO-204AR	45	2150	2.10	1.34	1.56	.95
<b>10 Amp</b>								
◆ 844-STPS1045BPBF	STPS1045BPBF	TO-252AA	45	390	1.05	.96	.74	.70
844-MBR1045PBF	MBR1045PBF	TO-220AC	45	1060	1.45	1.30	1.00	.77
844-10CTQ150PBF	10CTQ150PBF	TO-220AB	150	620	2.52	1.90	1.50	1.18
<b>12 Amp</b>								
◆ 844-12CWQ03FNPF	12CWQ03FNPF	TO-252AA	30	320	.97	.89	.70	.60
◆ 844-12CWQ06FNPF	12CWQ06FNPF	TO-252AA	60	320	.92	.89	.504	.478
◆ 844-12CWQ10FNPF	12CWQ10FNPF	TO-252AA	100	330	.77	.73	.463	.463
<b>15 Amp</b>								
844-15TQ060PBF	15TQ060PBF	TO-220AC	60	1000	2.93	2.63	2.10	1.63
◆ 844-15TQ060STRLPBF	15TQ060STRLPBF	TO-252AA	60	1000	1.66	1.59	1.21	.94
<b>16 Amp</b>								
844-16CTQ100PBF	16CTQ100PBF	TO-220AB	100	850	2.18	1.40	1.09	.998
◆ 844-16CTQ100SPBF	16CTQ100SPBF	TO-252AA	100	850	2.21	1.60	1.16	1.10
<b>18 Amp</b>								
844-18TQ045PBF	18TQ045PBF	TO-220AC	45	1800	2.18	1.40	1.09	.998
<b>19 Amp</b>								
844-19TQ015PBF	19TQ015PBF	TO-220AC	15	700	3.12	2.67	2.12	1.65
<b>20 Amp</b>								
844-20L15TPBF	20L15TPBF	TO-220AC	15	700	2.05	1.85	1.47	1.15
844-STPS20L15DPBF	STPS20L15DPBF	TO-220AC	15	700	2.05	1.69	1.36	1.05
◆ 844-STPS20L15GPBF	STPS20L15GPBF	TO-252AA	15	700	2.05	4.71	3.19	2.93
844-20TQ040PBF	20TQ040PBF	TO-220AC	40	1800	2.05	1.84	1.32	1.24
844-20CTQ045PBF	20CTQ045PBF	TO-220AB	45	1060	2.05	2.50	2.00	1.55
844-20TQ045PBF	20TQ045PBF	TO-220AC	45	1800	2.05	2.55	2.05	1.60
844-MBR20100CTKPBFB	MBR20100CTKPBFB	TO-220AB	100	850	2.05	.66	.559	.455
844-20CTQ150PBF	20CTQ150PBF	TO-220AB	150	1030	2.05	2.25	1.81	1.40
<b>30 Amp</b>								
844-32CTQ030PBF	32CTQ030PBF	TO-220AB	30	900	3.02	2.70	2.20	1.77
844-32CTQ030STRLPBF	32CTQ030STRLPBF	TO-263	30	900	3.10	2.96	2.25	1.94
◆ 844-STPS30L30CGPBF	STPS30L30CGPBF	TO-252AA	30	1450	7.97	5.99	3.11	2.86
844-STPS30L30CTPBF	STPS30L30CTPBF	TO-220AB	30	1450	2.18	1.40	1.09	.998
844-25CTQ045SPBF	25CTQ045SPBF	TO-263	45	990	3.59	3.43	2.64	2.34
844-30CTQ045PBF	30CTQ045PBF	TO-220AB	45	1060	3.10	2.75	2.25	1.80
◆ 844-30CTQ060SPBF	30CTQ060SPBF	TO-263	60	850	3.90	3.70	3.37	2.73
844-30CTQ060PBF	30CTQ060PBF	TO-220AB	60	1000	3.79	3.37	2.75	2.21
844-30CPQ060PBF	30CPQ060PBF	TO-247AC	60	1020	6.38	5.69	4.64	3.75
844-STPS30L60CWPBF	STPS30L60CWPBF	TO-247AC	60	1020	4.01	3.83	2.91	2.37
844-30CTQ100PBF	30CTQ100PBF	TO-220AB	100	850	2.30	2.07	1.66	1.29
844-30CTQ100SPBF	30CTQ100SPBF	TO-220AB	100	850	2.29	2.06	1.65	1.28
844-30CPQ100PBF	30CPQ100PBF	TO-247AC	100	920	3.20	2.85	2.30	1.87
844-30CPQ150PBF	30CPQ150PBF	TO-247AC	150	920	6.99	5.17	4.46	4.13
<b>40 Amp</b>								
844-STPS40L15CTPBF	STPS40L15CTPBF	TO-220AB	15	700	2.90	2.61	2.10	1.63