



$I_F$ (av) A	$V_{RM}$ V	$V_F$ V	@ $I_F$ A	$I_{FSM}$ A	Package	Mfrs. List No.
<b>Dual Diode Configuration – continued</b>						
40	45	0.42	20	1240	TO-247	40L45CW
40	60	0.58	20	1000	TO-220	48CTQ060
40	60	0.58	20	1000	D2-PAK	48CTQ060S
40	100	0.67	20	850	TO-220	43CTQ100
70	30	0.43	35	2180	TO-247	72CPQ030

SD47

Mfrs. List No.	Order Code	1+	25+	100+	250+	1K+
12CW003FN	<b>SMD 315-6643</b>					
12CW006FN	<b>SMD 315-6655</b>					
12CWQ10FN	<b>SMD 315-6667</b>					
20L15T	<b>315-6450</b>					
30CPQ090	<b>315-6485</b>					
30CPQ140	<b>315-6497</b>					
30CTQ060	<b>315-6503</b>					
30WQ03FN	<b>SMD 315-6679</b>					
40CTQ045	<b>315-6515</b>					
40L15CT	<b>315-6527</b>					
40L15CW	<b>315-6539</b>					
40L45CW	<b>315-6540</b>					
42CTQ030	<b>315-6552</b>					
43CTQ100	<b>315-6564</b>					
47CTQ020	<b>315-6576</b>					
47CTQ020S	<b>SMD 315-6588</b>					
48CTQ060	<b>315-6590</b>					
48CTQ060S	<b>SMD 315-6606</b>					
50WQ03FN	<b>SMD 315-6680</b>					
6CWQ03FN	<b>SMD 315-6692</b>					
72CPQ030	<b>315-6618</b>					
80SQ030	<b>315-6461</b>					
100BQ015	<b>315-6448</b>					
MBR3045CT	<b>315-6436</b>					

7.5A to 20A

Philips Semiconductors



SOD-59



TO-220AB

- Special 25V technology for low voltage supplies
- Lowest forward drop of any rectifier gives lower losses
- Guaranteed repetitive ruggedness, typically 1A repetition reverse surge capability

$I_D$ (AV)/ $I_F$ (AV) (A)	$V_{RRM}$ (V)	$V_F$ (mV) @	$I_F$ (A)	PACKAGE	
				SOD59 (TO220AC)	SOT78 (TO220AB)
7.5	45	570	7.5	PBYR745	
10	35	570	10	PBYR1035	
10	40	570	10	PBYR1040	
10	45	570	10	PBYR1045	
10	100	700	10	PBYR10100	
15	45	570	2 7.5		PBYR1545CT
16	25	460	16		PBYL1625
16	45	570	16	PBYR1645	
20	25	430	20		PBYL2025
20	45	570	2 10		PBYR2045CT

SD57

Mfrs. List No.	Order Code	1+	25+	100+	250+	1K+
PBYL1625	<b>305-1195</b>					
PBYL2025	<b>305-1201</b>					
PBYR10100	<b>437-530</b>					
PBYR1040	<b>364-319</b>					
PBYR1035	<b>305-1213</b>					
PBYR1045	<b>437-542</b>					
PBYR1545CT	<b>681-702</b>					
PBYR1645	<b>364-320</b>					
PBYR2045CT	<b>681-738</b>					
PBYR745	<b>364-307</b>					

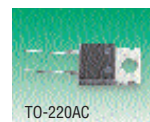
2A to 160A



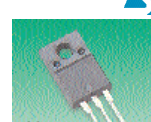
TO-220AB



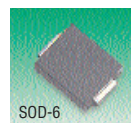
SOT-223



TO-220AC



ISOWATT-220AB



SOD-6



ISOTOP



TO-247

$I_F$ (av) A	$I_F$ (rms) A	$V_{RM}$ V	$V_F$ V @	$I_F$ A	$I_{FSM}$ A	Package	Mfrs. List No.
0.5	2	40	0.5	0.5	5.5	SOD-123	STPS0540Z
0.5	2	60	0.5	0.5	5.5	SOD-123	STPS0560Z
1	10	20	0.45	1	25	DO-41	1N5817
1	10	30	0.55	1	25	DO-41	1N5818
1	10	40	0.6	1	25	DO-41	1N5819
3	10	40	0.57	3	75	SOD-6	STPS340U
3	10	20	0.475	3	80	DO-201AD	1N5820
3	10	30	0.5	3	80	DO-201AD	1N5821
3	10	40	0.525	3	80	DO-201AD	1N5822
2 3	2 10	40	0.57	3	2 7.5	ISOWATT220	STPS640CF
8	30	100	0.58	8	250	TO-220AC	STPS8H100D
10	30	25	0.35	10	200	TO-220AC	STPS10L25D
10	30	60	0.6	10	220	TO-220AC	STPS10L60D
15	30	25	0.35	15	200	TO-220AC	STPS15L25D
2 10	2 30	25	0.35	10	200	TO-220AB	STPS20L25CT
2 10	2 30	60	0.67	10	200	TO-220AB	STPS2060CT
2 10	2 30	60	0.6	10	220	TO-220AB	STPS20L60CT
2 10	2 30	100	0.64	10	2 250	TO-220AB	STPS20H100CT
2 10	2 30	100	0.64	10	2 250	D <sup>2</sup> -PAK	STPS20H100CG
2 14	2 60	15	0.43	40	600	MAX247	STPS80L15CY
2 15	2 30	40	0.5	15	2 220	TO-220AB	STPS30L40CT
2 15	2 30	40	0.5	15	220	TO-247	STPS30L40CW
2 15	2 30	45	0.57	15	220	D <sup>2</sup> -PAK	STPS3045CG
2 15	2 30	60	0.65	15	2 200	TO-247	STPS3060CW
2 15	2 30	60	0.6	15	230	TO-247	STPS30L60CW
2 15	2 25	45	0.63	30	200	D <sup>2</sup> -PAK	STPS3045G
2 20	2 30	15	0.36	19	310	TO-247	STPS40L15CW
2 20	2 30	40	0.49	20	200	TO-247	STPS40L40CW
2 20	2 35	45	0.57	15	220	TO-247	STPS4045CW
2 30	2 35	40	0.5	30	200	TO-247	STPS60L40CW
2 40	2 125	100	0.65	40	2 700	ISOTOP	STPS80H100TV
2 80	2 125	100	0.68	80	2 1000	ISOTOP	STPS160H100TV

SD388

Order Multiple=5

Mfrs. List No.	Order Code	5+	25+	100+	250+	1K+
1N5817	<b>302-2742</b>					
1N5818	<b>302-2754</b>					
1N5819	<b>302-2766</b>					
1N5820	<b>302-2778</b>					
1N5821	<b>302-2780</b>					
1N5822	<b>302-2791</b>					
STPS0540Z	<b>SMD 323-9410</b>					
STPS0560Z	<b>SMD 323-9421</b>					

Order Multiple=1

Mfrs. List No.	Order Code	1+	25+	100+	250+	1K+
STPS10L25D	<b>935-116</b>					
STPS10L60D	<b>302-2997</b>					
STPS1535F	<b>527-233</b>					
STPS15L25D	<b>935-128</b>					
STPS160H100TV	<b>996-361</b>					
STPS2060CT	<b>935-130</b>					
STPS20H100CG	<b>SMD 996-373</b>					
STPS20H100CT	<b>996-385</b>					
STPS20L25CT	<b>935-141</b>					
STPS20L60CT	<b>302-3000</b>					
STPS3045CG	<b>SMD 302-3242</b>					
STPS3045CM	<b>481-490</b>					
STPS3045G	<b>SMD 302-3254</b>					
STPS3045M	<b>481-488</b>					
STPS3060CW	<b>996-403</b>					
STPS30L40CW	<b>935-189</b>					
STPS30L40CT	<b>996-415 †</b>					
STPS30L60CW	<b>302-3011</b>					
STPS340U	<b>SMD 935-207</b>					
STPS4045CW	<b>935-219</b>					
STPS40L15CW	<b>935-220</b>					
STPS40L40CW	<b>165-499</b>					
STPS60L40CW	<b>165-505</b>					
STPS80H100C	<b>302-3023</b>					
STPS80L15CY	<b>302-3035</b>					
STPS630CF	<b>527-180</b>					
STPS640CF	<b>527-191</b>					
STPS80H100TV	<b>996-439</b>					
STPS8H100D	<b>996-440</b>					

Continued