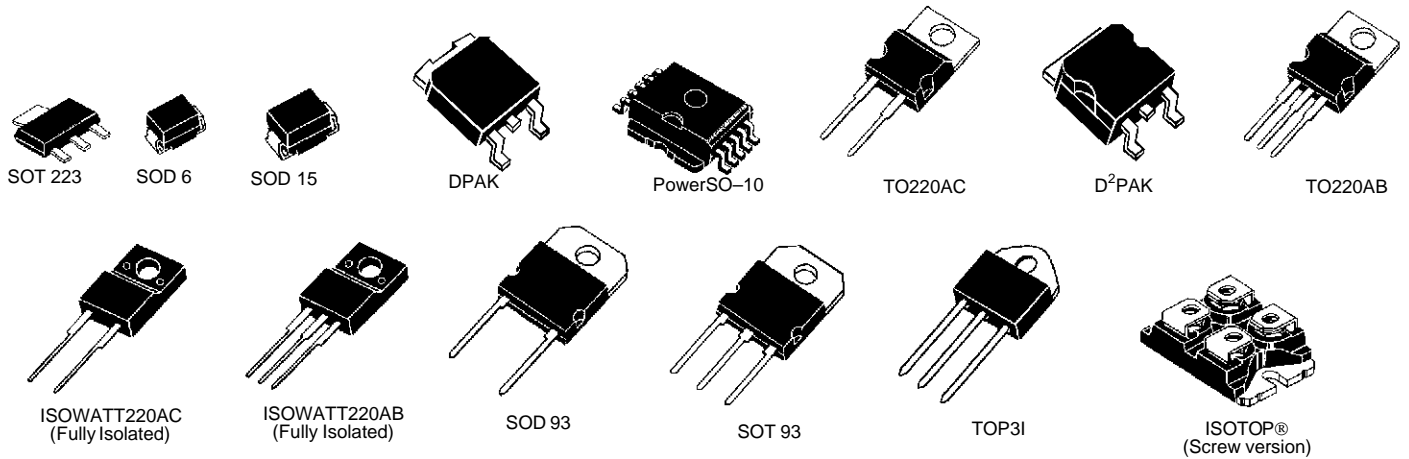


## POWER SCHOTTKY DIODES



## LOW VF POWER SCHOTTKY

## STPS SERIES. 3.3V SMPS

Type	$I_{F(AV)}$	$V_{RRM}$	$I_{FSM}$ $t_p=10\text{ ms}$	$V_F @ I_F$ $T_j=125^\circ\text{C}$		$I_R @ V_{RRM}$ $T_j = 125^\circ\text{C}$	Package
	(A)			(V)	max (V)		
STPS5L25B	5	25	80	0.35	5	110	DPAK
STPS5L25M	5	25	80	0.35	5	110	PowerSO-10
STPS10L25D	10	25	180	0.35	10	250	TO220AC
STPS10L25M	10	25	180	0.35	10	250	PowerSO-10
STPS15L25D	15	25	220	0.35	15	730	TO220AC
STPS15L25M	15	25	220	0.35	15	730	PowerSO-10
STPS20L25CM	2x10	25	180	0.35	10	410	PowerSO-10
STPS20L25CT	2x10	25	180	0.35	10	410	TO220AB
STPS20L25CG	2x10	25	180	0.35	10	410	D <sup>2</sup> PAK

## LOW DROP OR-ing POWER SCHOTTKY

## STPS SERIES. 3.3V and 5V OR-ing

Type	$I_{F(AV)}$	$V_{RRM}$	$I_{FSM}$ $t_p=10\text{ ms}$	$V_F @ I_F$ $T_j=100^\circ\text{C}$		$I_R @ V_{RRM}$ $T_j = 100^\circ\text{C}$	Package
	(A)			(V)	max (V)		
STPS15L10D	15	10	220	0.32	15	420	TO220AC
STPS80L10TV	2x40	10	700	0.32	40	1100	ISOTOP

**POWER SCHOTTKY**
**V<sub>RRM</sub> = 20, 30, 35, 40, 45, 60 V**
**STPS SERIES. 5V SMPS**

Type	I <sub>F(AV)</sub>	V <sub>RRM</sub>	I <sub>FSM</sub> t <sub>p</sub> =10 ms	V <sub>F</sub> @ I <sub>F</sub> T <sub>j</sub> =125°C		I <sub>R</sub> @ V <sub>RRM</sub> T <sub>j</sub> = 125°C	Package
	(A)			(V)	(A)		
STPS120E STPS130E STPS140E STPS160E	1	20 30 40 60	10	0.55 0.55 0.55 0.65	1 1 1 1	10 (1) 10 (1) 10 (1) 8 (1)	SOT 223
▲STPS140U	1	40	60	0.50	1	2	SOD6
STPS220CE STPS230CE STPS240CE STPS260CE	2 (2x1)	20 30 40 60	10	0.55 0.55 0.55 0.65	1 1 1 1	10 (1) 10 (1) 10 (1) 8 (1)	SOT 223
STPS320U STPS330U STPS340U	3	20 30 40	75	0.57	3	10	SOD 6
▲STPS340B	3	40	75	0.57	3	10	DPAK
STPS320S STPS330S STPS340S	3	20 30 40	75	0.57	3	10	SOD 15
STPS320D STPS330D STPS340D	3	20 30 40	75	0.57	3	10	TO220AC
▲STPS360B	3	60	50	0.59	3	10	DPAK
STPS620CT STPS630CT STPS640CT	6 (2x3)	20 30 40	75	0.57	3	10	TO220AB
▲STPS640CM	6 (2x3)	40	75	0.57	3	10	PowerSO-10
▲STPS640CB	6 (2x3)	40	75	0.57	3	10	DPAK
STPS620CF STPS630CF STPS640CF	6 (2x3)	20 30 40	75	0.57	3	10	ISOWATT220AB
▲STPS660CB	6 (2x3)	60	50	0.59	3	10	DPAK
STPS735D STPS745D	7.5	35 45	150	0.57	7.5	15	TO220AC
▲STPS745M	7.5	45	150	0.57	7.5	15	PowerSO-10
STPS735F STPS745F	7.5	35 45	150	0.57	7.5	15	ISOWATT220AC
STPS1035D STPS1045D	10	35 45	180	0.57	10	15	TO220AC

(1) at T<sub>j</sub>=100°C

▲ New product.

## POWER SCHOTTKY (cont'd)

VRRM = 20, 30, 35, 40, 45, 60 V

STPS SERIES. 5V SMPS

Type	I <sub>F(AV)</sub>	V <sub>RRM</sub>	I <sub>FSM</sub> t <sub>p</sub> =10 ms	V <sub>F</sub> @ I <sub>F</sub> T <sub>j</sub> =125°C		I <sub>R</sub> @ V <sub>RRM</sub> T <sub>j</sub> = 125°C	Package
	(A)			(V)	max (V)		
STPS1035F STPS1045F	10	35 45	180	0.57	10	15	ISOWATT220AC
▲STPS1045M	10	45	180	0.57	10	15	PowerSO-10
STPS1535D STPS1545D	15	35 45	220	0.57	15	40	TO220AC
STPS1535CT STPS1545CT	15 (2x7.5)	35 45	150	0.57	7.5	15	TO220AB
STPS1535CF STPS1545CF	15 (2x7.5)	35 45	150	0.57	7.5	15	ISOWATT220AB
▲STPS1545CM	15 (2x7.5)	45	150	0.57	7.5	15	PowerSO-10
▲STPS1545CG	15 (2x7.5)	45	150	0.57	7.5	15	D <sup>2</sup> PAK
STPS2035CF STPS2045CF	20 (2x10)	35 45	180	0.57	10	15	ISOWATT220AB
▲STPS2045CM	20 (2x10)	45	180	0.57	10	15	PowerSO-10
▲STPS2045CG	20 (2x10)	45	180	0.57	10	15	D <sup>2</sup> PAK
STPS3035CT STPS3045CT	30 (2x15)	35 45	220	0.57	15	40	TO220AB
STPS3035CP STPS3045CP	30 (2x15)	35 45	220	0.57	15	40	SOT 93
STPS3035CPI STPS3045CPI	30 (2x15)	35 45	220	0.57	15	40	TOP3I
▲STPS3045CM	30 (2x15)	45	220	0.57	15	40	PowerSO-10
▲STPS3045CG	30 (2x15)	45	200	0.7	10	100	D <sup>2</sup> PAK
▲STPS3045M	30	45	200	0.63	30	80	PowerSO-10
STPS6035CP STPS6045CP	60 (2x30)	35 45	400	0.63	30	80	SOT 93
STPS12035TV STPS12045TV	120 (2x60)	35 45	700	0.67	60	150	ISOTOP (Parallel)
STPS16035TV STPS16045TV	160 (2x80)	35 45	900	0.69	80	150	ISOTOP (Parallel)
STPS24035TV STPS24045TV	240 (2x120)	35 45	1500	0.67	120	300	ISOTOP (Parallel)

▲ New product.

**POWER SCHOTTKY (cont'd)**

<b>V<sub>RRM</sub> = 100 V</b>
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<b>STPS SERIES. 12V SMPS</b>
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Type	I <sub>F(AV)</sub>	V <sub>RRM</sub>	I <sub>FSM</sub> t <sub>p</sub> =10 ms	V <sub>F</sub> @ I <sub>F</sub> T <sub>j</sub> =125°C		I <sub>R</sub> @ V <sub>RRM</sub> T <sub>j</sub> = 125°C	Package
	(A)	(V)	(A)	max (V)	(A)	max (mA)	
▲STPS3100B	3	100	50	0.59	3	10	DPAK
▲STPS6100CB	6 (2x3)	100	50	0.59	3	10	DPAK
▲STPS20100CT	20 (2x10)	100	200	0.7	10	100	TO220AC
▲STPS20100CG	20 (2x10)	100	200	0.7	10	100	D <sup>2</sup> PAK
▲STPS80100TV	20 (2x40)	100	700	0.8 (2)	40	70 (2)	ISOTOP (Parallel)

(2) : T<sub>j</sub> = 100 °C

▲ New product.