



**LOW VF DIODES SCHOTTKY**

**STPS SERIES. 3.3V 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)		
STPS5L25B	5	25	80	0.35	5	110	DPAK
STPS10L25D	10	25	180	0.35	10	250	TO220AC
STPS10L40CT	2x5	40	150	0.46	5	50	TO220AB
STPS15L25D/G	15	25	220	0.35	15	730	TO220AC
STPS16L40CT*	2x8	40	-	0.50	8	-	TO220AB
STPS20L25CT	2x10	25	180	0.35	10	410	TO220AB
STPS20L40CT*	2x10	40	-	0.55	10	-	TO220AB
STPS20L40CW*	2x10	40	-	0.55	10	-	TO247
STPS20L25CG	2x10	25	180	0.35	10	410	D <sup>2</sup> PAK
STPS30L40CT	2x15	40	220	0.50	15	75	TO220AB
STPS30L40CW	2x15	40	220	0.50	15	75	TO247
STPS40L15CW	2x20	15	310	0.36	20	670	TO247
STPS40L40CW*	2x20	40	-	0.49	20	-	TO247
STPS60L40CW*	2x30	40	-	0.55	30	-	TO247
STPS125U	1	25	45	0.46*	1	2*	SMB

\* T<sub>j</sub>=100°C

**LOW DROP OR-ing POWER SCHOTTKY**

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

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> =100°C		I <sub>R</sub> @ V <sub>RRM</sub> T <sub>j</sub> = 100°C	Package
	(A)			(V)	(V)		
STPS15L10D	15	10	220	0.32	15	420	TO220AC
STPS80L10TV	2x40	10	700	0.32	40	1100	ISOTOP

**LOW DROP OR-ing POWER SCHOTTKY**

**STPS SERIES. 12V OR-ing**

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> =100°C		I <sub>R</sub> @ V <sub>RRM</sub> T <sub>j</sub> = 100°C	Package
	(A)			(V)	(V)		
STPS20L15D	20	15	220	0.36	19	670	TO220AC
STPS20L15G	20	15	220	0.36	19	670	D <sup>2</sup> PAK
STPS40L15CW	2x20	15	220	0.36	19	670	TO247

## POWER SCHOTTKY

VRRM = 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 max		I <sub>R</sub> @ V <sub>RRM</sub> T <sub>j</sub> = 125°C max	Package
	(A)	(V)	(A)	(V)	(A)	(mA)	
STPS140U	1	40	60	0.50	1	2	SMB
<a href="#">STPS160U</a>	1	60	75	0.57	1	4	SMC
<a href="#">STPS240CE</a> <a href="#">STPS260CE</a>	2 (2x1)	40 60	10	0.55 0.65	1 1	10 8 (1) (1)	SOT 223
<a href="#">STPS340U</a>	3	40	75	0.57	3	10	SMB
STPS340B	3	40	75	0.57	3	10	DPAK
<a href="#">STPS340S</a>	3	40	75	0.57	3	10	SMC
STPS340D	3	40	75	0.57	3	10	TO220AC
STPS360B	3	60	50	0.59	3	10	DPAK
<a href="#">STPS640CT</a>	6 (2x3)	40	75	0.57	3	10	TO220AB
STPS640CB	6 (2x3)	40	75	0.57	3	10	DPAK
<a href="#">STPS640CF</a>	6 (2x3)	40	75	0.57	3	10	ISOWATT220AB
STPS660CB	6 (2x3)	60	50	0.59	3	10	DPAK
<a href="#">STPS745D</a>	7.5	45	150	0.57	7.5	15	TO220AC
<a href="#">STPS745F</a>	7.5	45	150	0.57	7.5	15	ISOWATT220AC
<a href="#">STPS1045D</a>	10	45	180	0.57	10	15	TO220AC
STPS10L40CT	10 (2x5)	40	150	0.5	5	50 (1)	TO220AB
▲ STPS20L400T	20 (2x10)	40	-	0.55	10	-	TO220AB
<a href="#">STPS30L40CW</a>	30 (2x15)	40	220	0.50	15	75 (1)	TO247
<a href="#">STPS1045F</a>	10	45	180	0.57	10	15	ISOWATT220AC
<a href="#">STPS1545D</a>	15	45	220	0.57	15	40	TO220AC
<a href="#">STPS1545CT</a>	15 (2x7.5)	45	150	0.57	7.5	15	TO220AB
<a href="#">STPS1545CF</a>	15 (2x7.5)	45	150	0.57	7.5	15	ISOWATT220AB
<a href="#">STPS1545CG</a>	15 (2x7.5)	45	150	0.57	7.5	15	D <sup>2</sup> PAK
<a href="#">STPS2045CF</a>	20 (2x10)	45	180	0.57	10	15	ISOWATT220AB
<a href="#">STPS2045CG</a>	20 (2x10)	45	180	0.57	10	15	D <sup>2</sup> PAK

(1) T<sub>j</sub>=100°C

▲ New product.

**POWER SCHOTTKY (cont'd)**
**V<sub>RRM</sub> = 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 max (mA)	Package
	(A)			(V)	(A)		
<a href="#">STPS2060CT</a>	20 (2x10)	60	200	0.70	10	33	TO220AB
<a href="#">STPS3045CT</a>	30 (2x15)	45	220	0.57	15	40	TO220AB
<a href="#">STPS3045CP</a>	30 (2x15)	45	220	0.57	15	40	SOT 93
<a href="#">STPS3045CPI</a>	30 (2x15)	45	220	0.57	15	40	TOP31
<a href="#">STPS3045CG</a>	30 (2x15)	45	200	0.7	10	100	D <sup>2</sup> PAK
<a href="#">STPS3060CW</a>	30 (2x15)	60	200	0.65	10	25	TO247
<a href="#">STPS3045CW</a>	30 (2x15)	45	220	0.57	15	40	TO247
<a href="#">STPS4045CW</a>	40 (2x20)	45	220	0.63	20	40	TO247
<a href="#">STPS6045CP</a>	60 (2x30)	45	400	0.63	30	80	SOT 93
<a href="#">STPS12045TV</a>	120 (2x60)	45	700	0.67	60	150	ISOTOP (Parallel)
<a href="#">STPS16045TV</a>	160 (2x80)	45	900	0.69	80	150	ISOTOP (Parallel)
<a href="#">STPS24045TV</a>	240 (2x120)	45	1500	0.67	120	300	ISOTOP (Parallel)

(1) T<sub>j</sub>=100°C

## POWER SCHOTTKY (cont'd)

$V_{RRM} = 100\text{ V}$
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STPS SERIES. 12V SMPS
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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)	(A)		
STPS3100B	3	100	50	0.59	3	10	DPAK
STPS6100CB	6 (2x3)	100	50	0.59	3	10	DPAK
<a href="#">STPS20100CT</a>	20 (2x10)	100	200	0.7	10	100	TO220AB
<a href="#">STPS20100CG</a>	20 (2x10)	100	200	0.7	10	100	D <sup>2</sup> PAK
<a href="#">STPS80100TV</a>	20 (2x40)	100	700	0.8 (2)	40	70 (2)	ISOTOP (Parallel)

(2) :  $T_j = 100^\circ\text{C}$