


LOW VF DIODES SCHOTTKY
STPS SERIES. 3.3V SMPS

Type	$I_F(AV)$ (A)	V_{RRM} (V)	I_{FSM} $t_p=10\text{ ms}$ (A)	$V_F @ I_F$ $T_j=125^\circ\text{C}$ max (V) (A)		$I_R @ V_{RRM}$ $T_j = 125^\circ\text{C}$ max (mA)	Package
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	D²PAK
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

* $T_j=100^\circ\text{C}$
LOW DROP OR-ing POWER SCHOTTKY
STPS SERIES. 3.3V and 5V OR-ing

Type	$I_F(AV)$ (A)	V_{RRM} (V)	I_{FSM} $t_p=10\text{ ms}$ (A)	$V_F @ I_F$ $T_j=100^\circ\text{C}$ max (V) (A)		$I_R @ V_{RRM}$ $T_j = 100^\circ\text{C}$ max (mA)	Package
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	$I_F(AV)$ (A)	V_{RRM} (V)	I_{FSM} $t_p=10\text{ ms}$ (A)	$V_F @ I_F$ $T_j=100^\circ\text{C}$ max (V) (A)		$I_R @ V_{RRM}$ $T_j = 100^\circ\text{C}$ max (mA)	Package
STPS20L15D	20	15	220	0.36	19	670	TO220AC
STPS20L15G	20	15	220	0.36	19	670	D²PAK
STPS40L15CW	2x20	15	220	0.36	19	670	TO247

POWER SCHOTTKY

V_{RRM} = 40, 45, 60 V

STPS SERIES. 5V SMPS

Type	I _{F(AV)}	V _{RRM}	I _{FSM} t _p =10 ms	V _F @ I _F T _j =125°C max		I _R @ V _{RRM} T _j = 125°C max	Package
	(A)	(V)	(A)	(V)	(A)	(mA)	
STPS140U	1	40	60	0.50	1	2	SMB
STPS160U	1	60	75	0.57	1	4	SMC
STPS240CE STPS260CE	2 (2x1)	40 60	10	0.55 0.65	1 1	10 8 (1) (1)	SOT 223
STPS340U	3	40	75	0.57	3	10	SMB
STPS340B	3	40	75	0.57	3	10	DPAK
STPS340S	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
STPS640CT	6 (2x3)	40	75	0.57	3	10	TO220AB
STPS640CB	6 (2x3)	40	75	0.57	3	10	DPAK
STPS640CF	6 (2x3)	40	75	0.57	3	10	ISOWATT220AB
STPS660CB	6 (2x3)	60	50	0.59	3	10	DPAK
STPS745D	7.5	45	150	0.57	7.5	15	TO220AC
STPS745F	7.5	45	150	0.57	7.5	15	ISOWATT220AC
STPS1045D	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
STPS30L40CW	30 (2x15)	40	220	0.50	15	75 (1)	TO247
STPS1045F	10	45	180	0.57	10	15	ISOWATT220AC
STPS1545D	15	45	220	0.57	15	40	TO220AC
STPS1545CT	15 (2x7.5)	45	150	0.57	7.5	15	TO220AB
STPS1545CF	15 (2x7.5)	45	150	0.57	7.5	15	ISOWATT220AB
STPS1545CG	15 (2x7.5)	45	150	0.57	7.5	15	D ² PAK
STPS2045CF	20 (2x10)	45	180	0.57	10	15	ISOWATT220AB
STPS2045CG	20 (2x10)	45	180	0.57	10	15	D ² PAK

(1) T_j=100°C

▲ New product.

POWER SCHOTTKY (cont'd)

V_{RRM} = 40, 45, 60 V				STPS SERIES. 5V SMPS			
Type	I _{F(AV)} (A)	V _{RRM} (V)	I _{FSM} t _p =10 ms (A)	V _F @ I _F T _j =125°C max (V) (A)		I _R @ V _{RRM} T _j = 125°C max (mA)	Package
STPS2060CT	20 (2x10)	60	200	0.70	10	33	TO220AB
STPS3045CT	30 (2x15)	45	220	0.57	15	40	TO220AB
STPS3045CP	30 (2x15)	45	220	0.57	15	40	SOT 93
STPS3045CPI	30 (2x15)	45	220	0.57	15	40	TOP3I
STPS3045CG	30 (2x15)	45	200	0.7	10	100	D ² PAK
STPS3060CW	30 (2x15)	60	200	0.65	10	25	TO247
STPS3045CW	30 (2x15)	45	220	0.57	15	40	TO247
STPS4045CW	40 (2x20)	45	220	0.63	20	40	TO247
STPS6045CP	60 (2x30)	45	400	0.63	30	80	SOT 93
STPS12045TV	120 (2x60)	45	700	0.67	60	150	ISOTOP (Parallel)
STPS16045TV	160 (2x80)	45	900	0.69	80	150	ISOTOP (Parallel)
STPS24045TV	240 (2x120)	45	1500	0.67	120	300	ISOTOP (Parallel)

(1) T_j=100°C

POWER SCHOTTKY DIODES



POWER SCHOTTKY (cont'd)

VRRM = 100 V

STPS SERIES. 12V SMPS

Type	IF(AV) (A)	VRRM (V)	IFSM tp=10 ms (A)	VF @ IF Tj=125°C max (V) (A)		IR @ VRRM Tj = 125°C max (mA)	Package
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	TO220AB
STPS20100CG	20 (2x10)	100	200	0.7	10	100	D ² PAK
STPS80100TV	20 (2x40)	100	700	0.8 (2)	40	70 (2)	ISOTOP (Parallel)

(2) : Tj= 100 °C