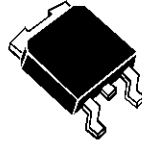




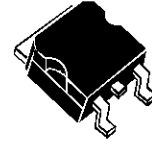
SMB



SMC



DPAK



D2PAK

SURFACE MOUNT TURBOSWITCH™ RECTIFIERS
 $T_J (\text{max}) = 150^\circ\text{C}$

Device	I_O (A)	V_{RRM} (V)	V_F @ rated I_O (V)	I_R @ 80% V_{RRM} (mA)	t_{RR} (ns)	I_{RM} (A)	Package
STTA106U	1	600	1.5	1.2	50	1.2	SMB
STTB106U	1	600	1.3	0.5	95	2.4	
STTA112U	1	1200	1.5	0.4	115	3.6	
STTA206S	2	600	1.5	1.2	50	1.2	SMC
STTB206S	2	600	1.3	0.5	95	2.4	
STTA212S	2	1200	1.5	0.4	115	3.6	
STTA306B	3	600	1.65	1.2	50	1.2	DPAK
STTB306B	3	600	1.45	0.5	95	2.4	
STTA312B	3	1200	1.7	0.4	115	3.6	
STTA506B	5	600	1.5	2.0	50	3.0	
STTB506B	5	600	1.3	0.75	95	7.5	
STTA512B	5	1200	1.3	2	95	7.5	
STTA806G	8	600	1.5	4	52	5.5	D2PAK
STTA812G	8	1200	2.0	4	100	12	
STTA1206G	12	600	1.5	5	55	7.5	
STTB1206G	12	600	1.3	2	100	18	

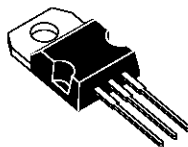
 V_F and I_R rated per diode, at 125°C , except for BYT Series rated at 100°C



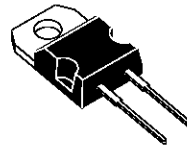
F126



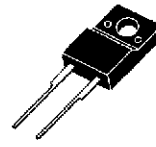
DO-201AD



TO220AB



TO220AC



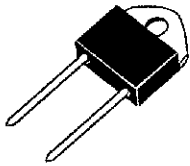
ISOWATT220AC

AXIAL LEAD AND TO220 TYPE TURBOSWITCH™ RECTIFIERS

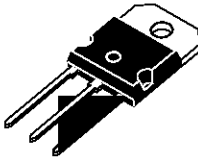
$T_J (\text{max}) = 150^\circ\text{C}$							
Device	I_o (A)	V_{RRM} (V)	V_F @ rated I_o (V)	I_R @ 80% V_{RRM} (mA)	t_{RR} (ns)	I_{RM} (A)	Package
STTA106 STTB106 STTA112	1 1 1	600 600 1200	1.5 1.3 1.5	0.75 0.30 0.30	50 95 115	0.6 1.2 1.8	F126
<u>STTB406</u>	4	600	1.2	0.75	75	-	DO-201AD
<u>STTA506D</u> <u>STTB506D</u> <u>STTA512D</u> <u>STTA806D</u> * <u>STTA806DI</u> <u>STTB806D</u> * <u>STTB806DI</u> <u>BYT08P-1000</u> * <u>BYT08PI-1000</u> <u>STTA812D</u> * <u>STTA812DI</u> <u>STTA1206D</u> * <u>STTA1206DI</u> <u>STTB1206D</u> * <u>STTB1206DI</u> <u>BYT12P-1000</u> * <u>BYT12PI-1000</u> <u>STTA1212D</u>	5 5 5 8 8 8 8 8 8 8 12 12 12 12 12 12 12 12 12	600 600 1200 600 600 600 600 1000 1000 1200 1200 600 600 600 600 1000 1000 1200	1.5 1.3 2.0 1.5 1.5 1.3 1.3 1.8 1.8 2.0 2.0 1.5 1.5 1.8 1.8 1.8 1.8 2.0	2.0 0.75 2.0 4.0 4.0 1.5 2.0 2.0 4.0 5.0 5.0 5.0 2.5 2.5 2.5 2.5 5.0	50 95 95 52 52 100 100 155 155 100 100 55 55 100 100 155 155 100	3 7.5 7.5 5.5 5.5 12 12 50 50 12 12 7.5 7.5 75 75 75 75 18	TO220AC
* <u>STTA506F</u> * <u>STTB506F</u> * <u>STTA512F</u>	5 5 5	600 600 1200	1.5 1.5 2.0	2.0 0.75 2.0	50 95 95	3 7.5 7.5	

* : 2500V isolation ; UL recognized file # E81734.

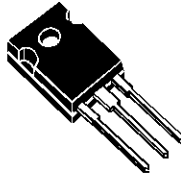
 V_F and I_R rated per diode, at $T_J = 125^\circ\text{C}$, except for BYT Series, rated at $T_J = 100^\circ\text{C}$



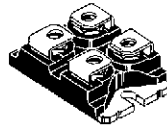
DOP3I
(isolated)



TO218AC



TO247



ISOTOP

TO218, TOP3 AND ISOTOP™ TYPE TURBOSWITCH™ RECTIFIERS

T _J (max) =150°C							
Device	I _O (A)	V _{RRM} (V)	V _F @ rated I _O (V)	I _R @ 80% V _{RRM} (mA)	t _{RR} (ns)	I _{RM} (A)	Package
* STTA1512PI	15	1200	1.9	6	105	-	DOP3I
* STTA2006PI	20	600	1.5	6	60	12.5	
* STTA3006PI	30	600	1.5	8	65	19	
* BYT30PI-1000	30	1000	1.8	5	165	19.5	
STTA1512P	15	1200	1.9	6	105	-	TO218AC
STTA2006P	20	600	1.5	6	60	12.5	
STTB2006P	20	600	1.3	3	105	30	
STTA2512P	25	1200	1.9	8	65	-	
STTA3006P	30	600	1.5	8	65	19	
STTB3006P	30	600	1.3	5	110	-	
BYT30P-1000	30	1000	1.8	5	165	19.5	
STTA6006P	60	600	1.5	12	80	38	
STTB6006P	60	600	1.3	9	11	38	
BYT60P-1000	60	1000	1.8	6	170	44	
STTA3006CW	2x15	600	1.6	5	65	12.5	TO247
STTB3006CW	2x15	600	1.3	5	110	-	
* STTA5012TV1/TV2	2x25	1200	1.9	8	110	-	ISOTOP
* STTA6006TV1/TV2	2x30	600	1.5	8	65	19	
* STTB6006TV1/TV2	2x30	600	1.3	5	110	-	
* STTA9012TV1/TV2	2x45	1200	1.9	12	115	-	
* STTA12006TV1/TV2	2x60	600	1.5	12	80	38	
* STTB12006TV1/TV2	2x60	600	1.3	9	115	-	
* BYT260PIV-400	2x60	1000	1.8	6	170	40	
* BYT261PIV-1000	2x60	1000	1.8	6	170	40	

V_F rated per diode, at 125°C, except for BYT Series rated at 100°C

*: 2500V isolation. UL recognized file # E81734.