







CENTER TAP and DOUBLER ASSEMBLIES

SUPER FAST RECOVERY, FAST RECOVERY, GENERAL PURPOSE

TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT ^②		PEAK 1 CYCLE SURGE CURRENT $t_p = 8.3$ msec.	MAXIMUM FORWARD VOLTAGE (PULSED) PER LEG		MAXIMUM REVERSE CURRENT @ PIV/LEG		MAX. THERMAL RESIS. $R_{\theta JC}$	MAX. REVERSE RECOVERY TIME ^①	PKG. STYLE
		Amps			V		μAmps				
		Volts	55°C		100°C	Amps	V	A			
SSCDA15HE▼	150	10	7.0	150	1.0	6.0	10	100	4.0	30	
SSCNA15HE▼	150	20	14	150	1.0	6.0	10	100	4.0	30	
SSCPA15HE▼	150	20	14	150	1.0	6.0	10	100	4.0	30	
SSCDA6S7	600	6.3	4.5	100	1.75	9.0	5.0	100	4.0	70	
SSCNA6S7	600	12.6	9.0	100	1.75	9.0	5.0	100	4.0	70	
SSCPA6S7	600	12.6	9.0	100	1.75	9.0	5.0	100	4.0	70	
SSCDA6FR	600	7.0	5.0	125	1.6	9.0	5.0	100	4.0	150	
SSCNA6FR	600	14	10	125	1.6	9.0	5.0	100	4.0	150	
SSCPA6FR	600	14	10	125	1.6	9.0	5.0	100	4.0	150	
SSCDA100FR▼	1000	6.3	4.5	100	1.75	9.0	5.0	100	4.0	175	
SSCNA100FR▼	1000	12.6	9.0	100	1.75	9.0	5.0	100	4.0	175	
SSCPA100FR▼	1000	12.6	9.0	100	1.75	9.0	5.0	100	4.0	175	
SSCDA100▼	1000	8.5	6.0	150	1.4	9.0	5.0	100	4.0	5000	
SSCNA100▼	1000	17	12	150	1.4	9.0	5.0	100	4.0	5000	
SSCPA100▼	1000	17	12	150	1.4	9.0	5.0	100	4.0	5000	
SHCDA15HE▼	150	22	14.2	425	0.95	9.0	20	250	1.5	30	
SHCNA15HE▼	150	44	28.5	425	0.95	9.0	20	250	1.5	30	
SHCPA15HE▼	150	44	28.5	425	0.95	9.0	20	250	1.5	30	
SHCDA60FR	600	18	11.7	300	1.15	9.0	10	250	1.5	150	
SHCNA60FR	600	36	23.5	300	1.15	9.0	10	250	1.5	150	
SHCPA60FR	600	36	23.5	300	1.15	9.0	10	250	1.5	150	
SHCDA60S7	600	16	11.5	300	1.30	9.0	20	250	1.5	70	
SHCNA60S7	600	32	21	300	1.30	9.0	20	250	1.5	70	
SHCPA60S7	600	32	21	300	1.30	9.0	20	250	1.5	70	
SHCDA10FR▼	1000	16	11.5	300	1.30	9.0	20	250	1.5	175	
SHCNA10FR▼	1000	32	21	300	1.30	9.0	20	250	1.5	175	
SHCPA10FR▼	1000	32	21	300	1.30	9.0	20	250	1.5	175	
SHCDA10▼	1000	20	13	375	1.1	9.0	10	250	1.5	5000	
SHCNA10▼	1000	40	26	375	1.1	9.0	10	250	1.5	5000	
SHCPA10▼	1000	40	26	375	1.1	9.0	10	250	1.5	5000	
S425DA	200	6.0	3.6	60	1.2	3.0	5.0	100	12	30	
S425GE	600	4.0	2.5	25	1.7	3.0	2.0	50	12	150	
S425IC▼	1000	2.5	1.5	20	1.8	.75	5.0	50	12	60	
S425IE▼	1000	4.0	2.5	25	1.7	3.0	2.0	50	12	300	
S425IH▼	1000	5.0	3.0	50	1.4	3.0	2.0	50	12	5000	
S426DA	200	6.0	3.6	60	1.2	3.0	5.0	100	12	30	
S426GE	600	4.0	2.5	25	1.7	3.0	2.0	50	12	150	
S426IC▼	1000	2.5	1.5	20	1.8	.75	5.0	50	12	60	
S426IE▼	1000	4.0	2.5	25	1.7	3.0	2.0	50	12	300	
S426IH▼	1000	5.0	3.0	50	1.4	3.0	2.0	50	12	5000	
S427DA	200	3.0	1.8	60	1.2	3.0	5.0	100	12	30	
S427GE	600	2.0	1.25	25	1.7	3.0	2.0	50	12	150	
S427IC▼	1000	1.25	.75	20	1.8	.75	5.0	50	12	60	
S427IE▼	1000	2.0	1.25	25	1.7	3.0	2.0	50	12	300	
S427IH▼	1000	2.5	1.5	50	1.4	3.0	2.0	50	12	5000	
S428DA	200	3.0	1.8	60	1.2	3.0	5.0	100	12	30	
S428GE	600	2.0	1.25	25	1.7	3.0	2.0	50	12	150	
S428IC▼	1000	1.25	.75	20	1.8	.75	5.0	50	12	60	
S428IE▼	1000	2.0	1.25	25	1.7	3.0	2.0	50	12	300	
S428IH▼	1000	2.5	1.50	50	1.4	3.0	2.0	50	12	5000	



(Center Tap and Doubler Assemblies, Continued on Next Page.)

CENTER TAP and DOUBLER ASSEMBLIES (Continued)

SUPER FAST RECOVERY, FAST RECOVERY, GENERAL PURPOSE												
TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT ⁽²⁾		PEAK 1 CYCLE SURGE CURRENT $t_p = 8.3$ msec.	MAXIMUM FORWARD VOLTAGE (PULSED) PER LEG		MAXIMUM REVERSE CURRENT @ PIV/LEG		MAX. THERMAL RESIS. $R_{\theta JC}$	MAX. REVERSE RECOVERY TIME ⁽¹⁾	PKG. STYLE	
		Amps			V	A	μ Amps					
		55°C	100°C				25°C	100°C				°C/W
S429CA▼	150	12	7.2	100	1.0	6.0	10	100	7.0	30	 429	
S429GC	600	8.0	4.8	100	1.75	9.0	5.0	100	7.0	70		
S429GE	600	9.0	5.4	100	1.6	9.0	5.0	100	7.0	150		
S429IE▼	1000	9.0	5.4	100	1.6	9.0	5.0	100	7.0	175		
S429IH▼	1000	10	6.0	100	1.4	9.0	5.0	100	7.0	5000		
S430CA▼	150	12	7.2	100	1.0	6.0	10	100	7.0	30		430
S430GC	600	8.0	4.8	100	1.75	9.0	5.0	100	7.0	70		
S430GE	600	9.0	5.4	100	1.6	9.0	5.0	100	7.0	150		
S430IE▼	1000	9.0	5.4	100	1.6	9.0	5.0	100	7.0	175		
S430IH▼	1000	10	6.0	100	1.4	9.0	5.0	100	7.0	5000		
S431CA▼	150	6.0	3.6	100	1.0	6.0	10	100	7.0	30	431	
S431GC	600	4.0	2.4	100	1.75	9.0	5.0	100	7.0	70		
S431GE	600	4.5	2.7	100	1.6	9.0	5.0	100	7.0	150		
S431IE▼	1000	4.5	2.7	100	1.6	9.0	5.0	100	7.0	175		
S431IH▼	1000	5.0	3.0	100	1.4	9.0	5.0	100	7.0	5000		
S432CA▼	150	6.0	3.6	100	1.0	6.0	10	100	7.0	30	432	
S432GC	600	4.0	2.4	100	1.75	9.0	5.0	100	7.0	70		
S432GE	600	4.5	2.7	100	1.6	9.0	5.0	100	7.0	150		
S432IE▼	1000	4.5	2.7	100	1.6	9.0	5.0	100	7.0	175		
S432IH▼	1000	5.0	3.0	100	1.4	9.0	5.0	100	7.0	5000		
STPA15HE▼	150	20	14	150	1.0	6.0	10	100	4.0	30	 436	
STPA6S7	600	12.6	9.0	100	1.75	9.0	5.0	100	4.0	70		
STPA6FR	600	14	10	125	1.6	9.0	5.0	100	4.0	150		
STPA10FR▼	1000	12.6	9.0	100	1.75	9.0	5.0	100	4.0	175		
STPA10▼	1000	17	12	150	1.4	9.0	5.0	100	4.0	5000		
STNA15HE▼	150	20	14	150	1.0	6.0	10	100	4.0	30	437	
STNA6S7	600	12.6	9.0	100	1.75	9.0	5.0	100	4.0	70		
STNA6FR	600	14	10	125	1.6	9.0	5.0	100	4.0	150		
STNA10FR▼	1000	12.6	9.0	100	1.75	9.0	5.0	100	4.0	175		
STNA10▼	1000	17	12	150	1.4	9.0	5.0	100	4.0	5000		
STDA15HE▼	150	10	7.0	150	1.0	6.0	10	100	4.0	30	438	
STDA6S7	600	6.3	4.5	100	1.75	9.0	5.0	100	4.0	70		
STDA6FR	600	7.0	5.0	125	1.6	9.0	5.0	100	4.0	150		
STDA10FR▼	1000	6.5	4.5	100	1.75	9.0	5.0	100	4.0	175		
STDA10▼	1000	8.5	6.0	150	1.4	9.0	5.0	100	4.0	5000		

(Center Tap and Doubler Assemblies, Continued on Next Page)

CENTER TAP and DOUBLER ASSEMBLIES (Continued)

SUPER FAST RECOVERY, FAST RECOVERY, GENERAL PURPOSE											
TYPE NUMBER	PEAK INVERSE VOLTAGE	MAXIMUM AVERAGE DC OUTPUT CURRENT ^②		PEAK 1 CYCLE SURGE CURRENT $t_p = 8.3$ msec.	MAXIMUM FORWARD VOLTAGE (PULSED) PER LEG		MAXIMUM REVERSE CURRENT @ PIV/LEG		MAX. THERMAL RESIS. $R_{\theta JC}$	MAX. REVERSE RECOVERY TIME ^①	PKG. STYLE
		Amps			V	A	μ Amps				
		55°C	100°C				25°C	100°C			
S441DA	200	40	24	300	1.0	8.0	10	100	2.0	30	
S441E▼	1000	40	24	300	1.1	8.0	10	200	2.0	175	
S442DA	200	40	24	300	1.0	8.0	10	100	2.0	30	
S442E▼	1000	40	24	300	1.1	8.0	10	200	2.0	175	
S443DA	200	20	12	300	1.0	8.0	10	100	2.0	30	
S443E▼	1000	20	12	300	1.1	8.0	10	200	2.0	175	
S444GA	600	24	15	160	2.4	8.0	10	200	2.0	30	
S445GA	600	24	15	160	2.4	8.0	10	200	2.0	30	
S446GA	600	12	7.5	160	2.4	8.0	10	200	2.0	30	476
S447DA	200	40	24	300	1.0	8.0	10	100	2.0	30	
S447E▼	1000	40	24	300	1.1	8.0	10	200	2.0	175	
S448DA	200	40	24	300	1.0	8.0	10	100	2.0	30	
S448E▼	1000	40	24	300	1.1	8.0	10	200	2.0	175	
S449DA	200	20	12	300	1.0	8.0	10	100	2.0	30	
S449E▼	1000	20	12	300	1.1	8.0	10	200	2.0	175	
S450GA	600	24	15	160	2.4	8.0	10	200	2.0	30	
S451GA	600	24	15	160	2.4	8.0	10	200	2.0	30	
S452GA	600	12	7.5	160	2.4	8.0	10	200	2.0	30	452

Notes:

-All ratings are at $T_C = 25^\circ\text{C}$ unless otherwise specified.

-Maximum operating and storage temperature range -55°C to $+150^\circ\text{C}$.

① Reverse recovery time conditions: $I_f = 0.5\text{A}$, $I_r = 1.0\text{A}$, t_{rr} measured when rectifier recovers to 0.25 Amps.

t_{rr} measured on discrete rectifiers prior to assembly.

② Rating is per leg, for all doubler configurations.

▼1000 Volt devices are available in 200, 400, 600 & 800 Volt versions.

Most devices are available in other Voltage and/or current ratings. Please contact the factory or a Sensitron Sales Representative for details

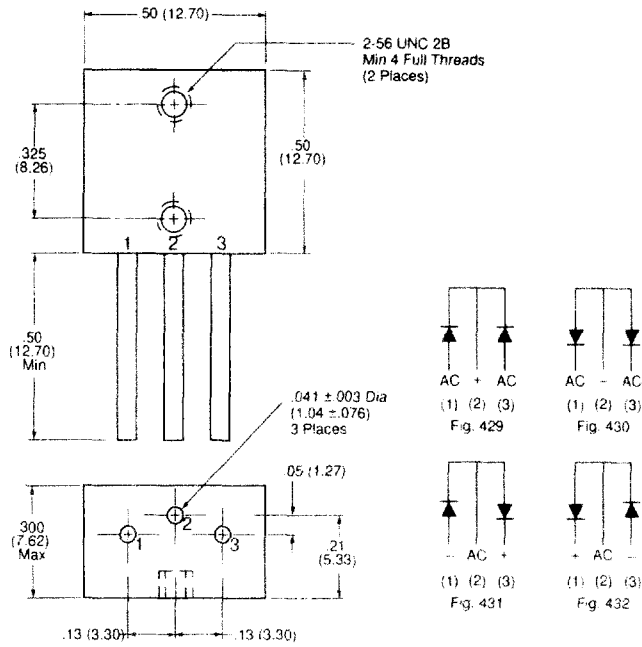


FIG. 429 ~ 432

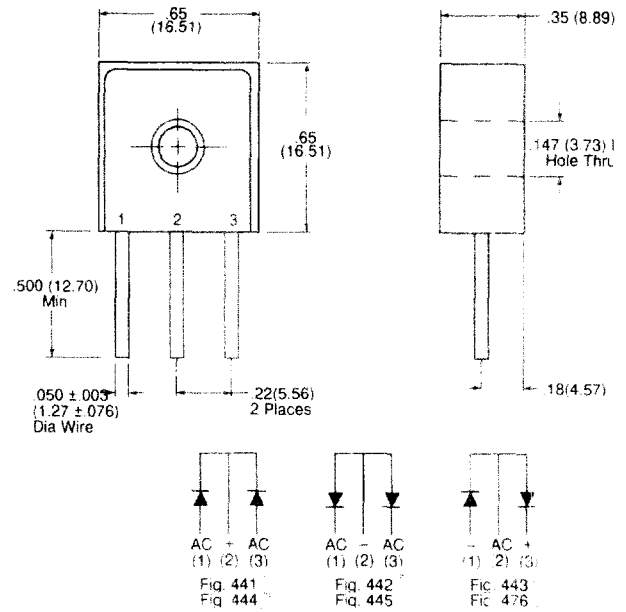


FIG. 441 ~ 476

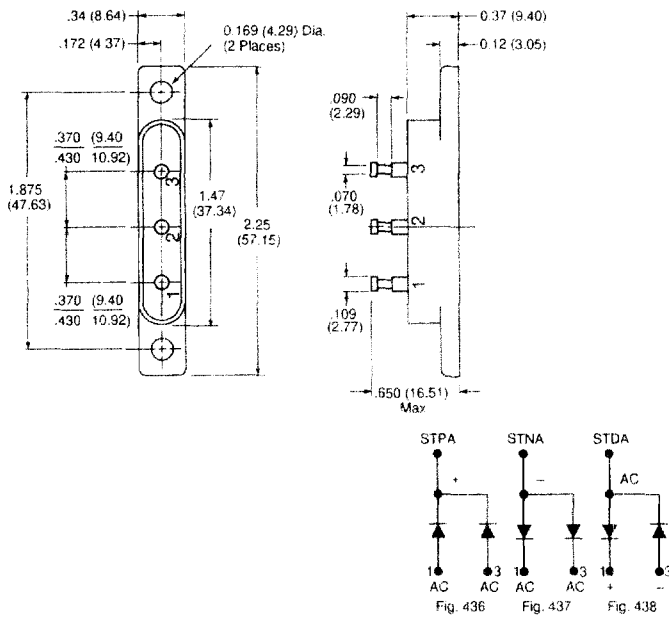


FIG. 436 ~ 438

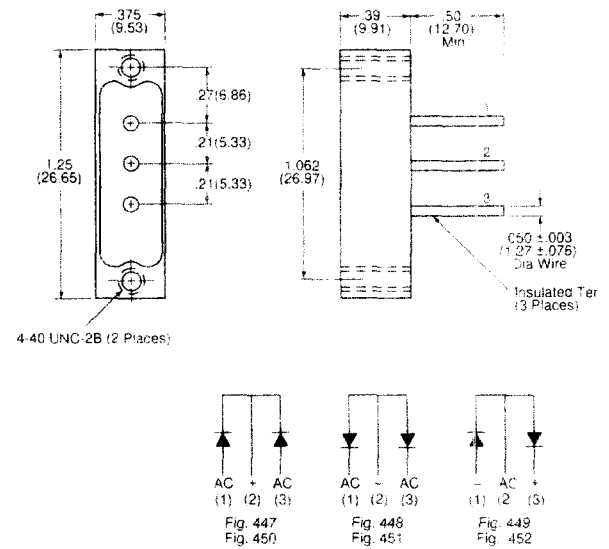


FIG. 447 ~ 452