

PC MOUNTABLE CENTER TAP AND DOUBLER ASSEMBLIES

GENERAL PURPOSE, FAST RECOVERY, SUPER FAST RECOVERY

T-23-27

MAXIMUM RATINGS

TYPE NUMBER	PIV PER LEG	AVERAGE OUTPUT CURRENT T_C = CASE TEMPERATURE			PEAK 1 CYCLE FWD SURGE	PEAK RE- CURR FWD	MAX FWD VOLTAGE PER LEG		I_R MAX PER LEG @ PIV		MAX REC TIME
		55°C	100°C	125°C			25°C		25°C	100°C	
	VOLTS	AMPS	AMPS	AMPS	AMPS	AMPS	VOLTS	AMPS	uA	uA	nSEC
S425DH	200	5.0	3.0	1.6	50	15	1.4	3.0	2.0	50	5000
S425FH	400	5.0	3.0	1.6	50	15	1.4	3.0	2.0	50	5000
S425GH	600	5.0	3.0	1.6	50	15	1.4	3.0	2.0	50	5000
S425HH	800	5.0	3.0	1.6	50	15	1.4	3.0	2.0	50	5000
S425IH	1000	5.0	3.0	1.6	50	15	1.4	3.0	2.0	50	5000
S425DE	200	4.0	2.5	1.3	25	9.0	1.7	3.0	2.0	50	150
S425FE	400	4.0	2.5	1.3	25	9.0	1.7	3.0	2.0	50	150
S425GE	600	4.0	2.5	1.3	25	9.0	1.7	3.0	2.0	50	150
S425HE	800	4.0	2.5	1.3	25	9.0	1.7	3.0	2.0	50	300
S425IE	1000	4.0	2.5	1.3	25	9.0	1.7	3.0	2.0	50	300
S425GC	600	2.5	1.5	0.8	20	10	1.8	.75	5.0	50	60
S425HC	800	2.5	1.5	0.8	20	10	1.8	.75	5.0	50	60
S425IC	1000	2.5	1.5	0.8	20	10	1.8	.75	5.0	50	60
S425AA	50	6.0	3.6	1.8	60	17.5	1.2	3.0	5.0	100	30
S425BA	100	6.0	3.6	1.8	60	17.5	1.2	3.0	5.0	100	30
S425CA	150	6.0	3.6	1.8	60	17.5	1.2	3.0	5.0	100	30
S425DA	200	6.0	3.6	1.8	60	17.5	1.2	3.0	5.0	100	30

① Recovery Conditions: $I_F = 0.5A$, $I_R = 1.0A$ trr measured when rectifier recovers to 0.25 Amps

Trr measured on discrete rectifiers prior to assembly

Operating and Storage Temperature $-55^\circ C$ to $+150^\circ C$

Thermal Impedance, θ_{JC} on all center tap and doubler assemblies = $12^\circ C/W$

For alternate electrical configuration, replace 425 in part number with proper figure number (see schematics)

TOLERANCES INCHES XX $\pm .020$
XXX $\pm .010$

METRIC XX $\pm (.508)$
XXX $\pm (.254)$

(EXCEPT AS NOTED)

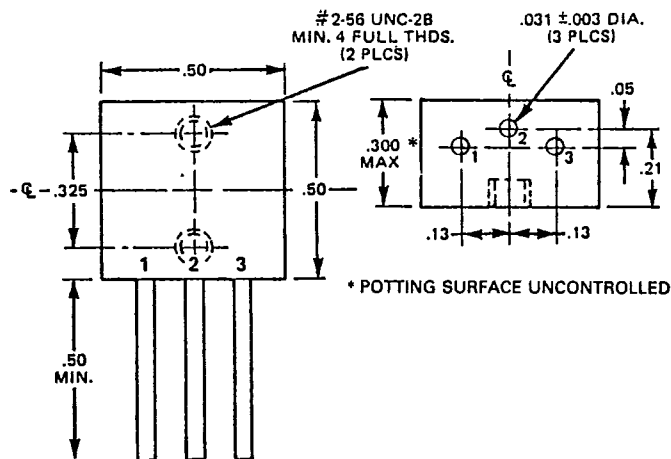
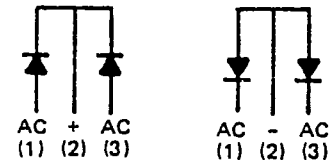
**SCHEMATICS**

FIG. 425

FIG. 426

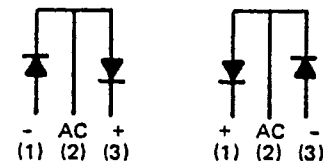


FIG. 427

FIG. 428