

25 AMP THREE PHASE BRIDGE RECTIFIERS

GENERAL PURPOSE, FAST RECOVERY, SUPER FAST RECOVERY

MAXIMUM RATINGS

TYPE NUMBER	PIV PER LEG	MAX. AVERAGE D.C. OUTPUT CURRENT ^①			MAX. AVERAGE D.C. OUTPUT CURRENT ^②			PEAK 1 CY. SUR CUR.	PEAK RECUR. SURGE	MAX. FWD VOLTAGE PER LEG		MAX. REVERSE CURRENT AT PIV/LEG		③ THERM IMP θ_{JC}	④ MAX REC TIME
		AMPS AT T _C			AMPS AT T _A			25°C	25°C	25°C		u Amps		°C/W	nSEC
		V	55°C	100°C	125°C	25°C	55°C	100°C	AMPS	AMPS	V	A	25°C	100°C	
S25A310	100	25	18.5	12.5	6.0	5.0	3.0	150	75	1.3	9.0	5.0	100	1.5	5000
S25A320	200	25	18.5	12.5	6.0	5.0	3.0	150	75	1.3	9.0	5.0	100	1.5	5000
S25A340	400	25	18.5	12.5	6.0	5.0	3.0	150	75	1.3	9.0	5.0	100	1.5	5000
S25A360	600	25	18.5	12.5	6.0	5.0	3.0	150	75	1.3	9.0	5.0	100	1.5	5000
S25A380	800	25	18.5	12.5	6.0	5.0	3.0	150	75	1.4	9.0	5.0	100	1.5	5000
S25A3100	1000	25	18.5	12.5	6.0	5.0	3.0	150	75	1.4	9.0	5.0	100	1.5	5000
S25A310FR	100	20	15	10	5.0	4.0	2.5	125	60	1.6	9.0	5.0	100	1.5	150
S25A320FR	200	20	15	10	5.0	4.0	2.5	125	60	1.6	9.0	5.0	100	1.5	150
S25A340FR	400	20	15	10	5.0	4.0	2.5	125	60	1.6	9.0	5.0	100	1.5	150
S25A360FR	600	20	15	10	5.0	4.0	2.5	125	60	1.6	9.0	5.0	100	1.5	150
S25A380FR	800	18	13.5	9.0	4.5	3.6	2.3	100	50	1.75	9.0	5.0	100	1.5	175
S25A3100FR	1000	18	13.5	9.0	4.5	3.6	2.3	100	50	1.75	9.0	5.0	100	1.5	175
S25A320S7	200	18	13.5	9.0	4.5	3.6	2.3	100	50	1.75	9.0	5.0	100	1.5	70
S25A340S7	400	18	13.5	9.0	4.5	3.6	2.3	100	50	1.75	9.0	5.0	100	1.5	70
S25A360S7	600	18	13.5	9.0	4.5	3.6	2.3	100	50	1.75	9.0	5.0	100	1.5	70
S25A305HE	50	25	18	12.5	7.75	6.25	3.5	150	65	1.0	6.0	10	100	1.5	30
S25A310HE	100	25	18	12.5	7.75	6.25	3.5	150	65	1.0	6.0	10	100	1.5	30
S25A315HE	150	25	18	12.5	7.75	6.25	3.5	150	65	1.0	6.0	10	100	1.5	30

① T_C = Case Temperature

② T_A = Ambient Temperature, No Heat Sink

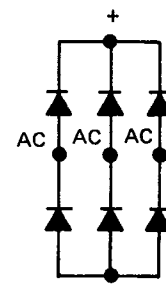
③ Maximum Thermal Impedance Junction to Case

④ Recovery Conditions: I_F = 0.5A I_R = 1.0A trr measured when rectifier measures to 0.25 Amps

Trr measured on discrete rectifiers prior to assembly

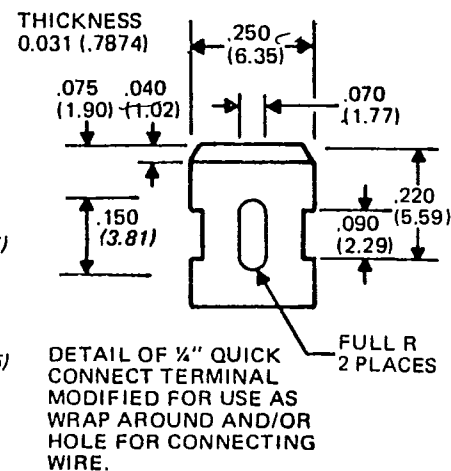
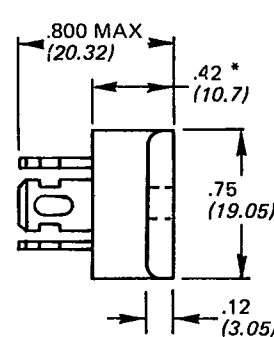
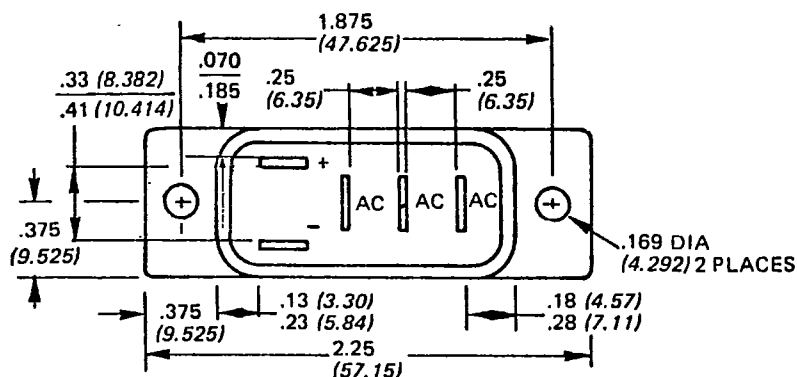
Operating and storage temperature -55°C to +150°C

Case finish: Black Anodized



TOLERANCES - INCHES XX ±.020
XXX ±.010

METRIC XX ±(.508)
XXX ±(.254) (EXCEPT AS NOTED)



*POTTING SURFACE UNCONTROLLED

FIG 404