

SLIMLINE SERIES

LOW PROFILE - LOW Θ_{J-C}

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 θJC	④ MAX REC TIME	CASE STYLE
		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			
SL6320	200	7.5	5.5	3.75	3.0	2.3	1.5	50	15	1.4	3.0	5.0	100	4.5	5000	405
SL6340	400	7.5	5.5	3.75	3.0	2.3	1.5	50	15	1.4	3.0	5.0	100	4.5	5000	405
SL6360	600	7.5	5.5	3.75	3.0	2.3	1.5	50	15	1.4	3.0	5.0	100	4.5	5000	405
SL6380	800	7.5	5.5	3.75	3.0	2.3	1.5	50	15	1.4	3.0	5.0	100	4.5	5000	405
SL63100	1000	7.5	5.5	3.75	3.0	2.3	1.5	50	15	1.4	3.0	5.0	100	4.5	5000	405
SL6320FR	200	6.0	4.5	3.0	3.0	2.3	1.5	25	9	1.7	3.0	5.0	100	4.5	150	405
SL6340FR	400	6.0	4.5	3.0	3.0	2.3	1.5	25	9	1.7	3.0	5.0	100	4.5	150	405
SL6360FR	600	6.0	4.5	3.0	3.0	2.3	1.5	25	9	1.7	3.0	5.0	100	4.5	150	405
SL6305HE	50	10.5	7.5	5.0	3.0	2.3	1.5	60	17.5	1.2	3.0	5.0	100	4.5	30	405
SL6310HE	100	10.5	7.5	5.0	3.0	2.3	1.5	60	17.5	1.2	3.0	5.0	100	4.5	30	405
SL6315HE	150	10.5	7.5	5.0	3.0	2.3	1.5	60	17.5	1.2	3.0	5.0	100	4.5	30	405
SL30320	200	30	22	15	7.0	5.5	3.5	150	75	1.3	9.0	5.0	100	1.25	5000	406
SL30340	400	30	22	15	7.0	5.5	3.5	150	75	1.3	9.0	5.0	100	1.25	5000	406
SL30360	600	30	22	15	7.0	5.5	3.5	150	75	1.3	9.0	5.0	100	1.25	5000	406
SL30380	800	30	22	15	7.0	5.5	3.5	150	75	1.4	9.0	5.0	100	1.25	5000	406
SL303100	1000	30	22	15	7.0	5.5	3.5	150	75	1.4	9.0	5.0	100	1.25	5000	406
SL30320FR	200	22.5	16.5	11.3	5.3	4.5	2.6	125	60	1.6	9.0	5.0	100	1.25	150	406
SL30340FR	400	22.5	16.5	11.3	5.3	4.5	2.6	125	60	1.6	9.0	5.0	100	1.25	150	406
SL30360FR	600	22.5	16.5	11.3	5.3	4.5	2.6	125	60	1.6	9.0	5.0	100	1.25	150	406
SL30380FR	800	20	15	10	4.8	4.0	2.3	100	50	1.75	9.0	5.0	100	1.25	175	406
SL303100FR	1000	20	15	10	4.8	4.0	2.3	100	50	1.75	9.0	5.0	100	1.25	175	406
SL30320S7	200	20	15	10	4.8	4.0	2.3	100	50	1.75	9.0	5.0	100	1.25	70	406
SL30340S7	400	20	15	10	4.8	4.0	2.3	100	50	1.75	9.0	5.0	100	1.25	70	406
SL30360S7	600	20	15	10	4.8	4.0	2.3	100	50	1.75	9.0	5.0	100	1.25	70	406
SL30305HE	50	30	22	15	9.5	7.5	4.5	150	65	1.0	6.0	10	100	1.25	30	406
SL30310HE	100	30	22	15	9.5	7.5	4.5	150	65	1.0	6.0	10	100	1.25	30	406
SL30315HE	150	30	22	15	9.5	7.5	4.5	150	65	1.0	6.0	10	100	1.25	30	406

① T_C = Case Temperature② T_A = Ambient Temperature, No Heat Sink

③ Maximum Thermal Impedance Junction to Case

④ Recovery Conditions: $I_F = 0.5A$ $I_R = 1.0A$ t_{rr} measured when rectifier recovers to 0.25 Amps t_{rr} measured on discrete rectifiers prior to assemblyOperating and storage temperature $-55^\circ C$ to $+150^\circ C$

Case finish: Black Anodized

TOLERANCES INCHES XX $\pm .020$
XXX $\pm .010$ METRIC XX $\pm (.508)$
XXX $\pm (.254)$

(EXCEPT AS NOTED)

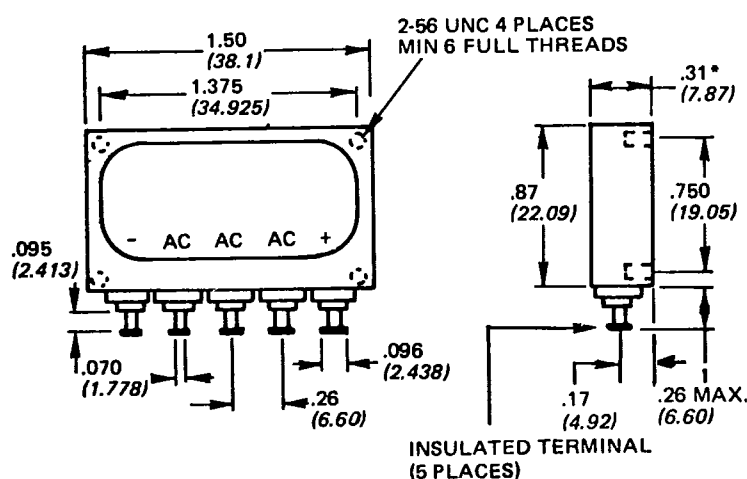
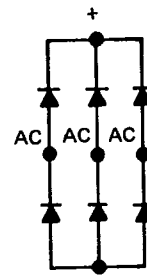


FIG 406

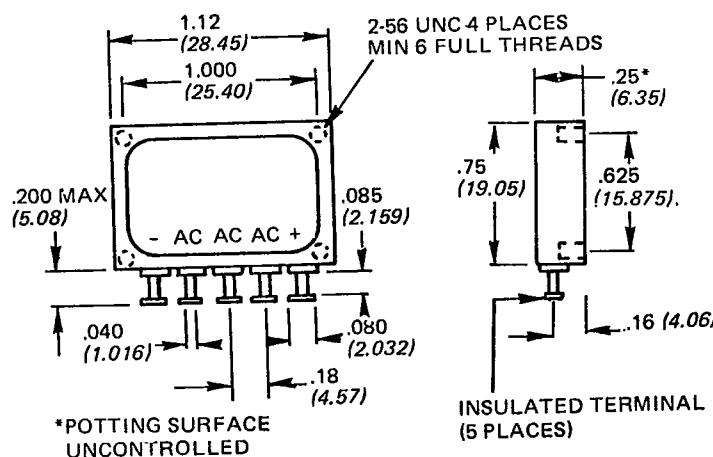


FIG 405