

40 AMP THREE PHASE BRIDGE RECTIFIERS

T-23-07

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 RECVR. SURGE	MAX. FWD VOLTAGE PER LEG		MAX. REVERSE CURRENT AT PIV/LEG		③ THERM IMP θJC	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	
S424DH	200	40	21	10.5	12.5	10	6.5	325	170	1.1	10	10	200	0.85	5000
S424FH	400	40	21	10.5	12.5	10	6.5	325	170	1.1	10	10	200	0.85	5000
S424GH	600	40	21	10.5	12.5	10	6.5	325	170	1.1	10	10	200	0.85	5000
S424HH	800	40	21	10.5	12.5	10	6.5	325	170	1.2	10	10	200	0.85	5000
S424IH	1000	40	21	10.5	12.5	10	6.5	325	170	1.2	10	10	200	0.85	5000
S424DE	200	37	19.5	9.5	11.5	9.0	6.0	300	150	1.2	10	10	200	0.85	150
S424FE	400	37	19.5	9.5	11.5	9.0	6.0	300	150	1.2	10	10	200	0.85	150
S424GE	600	37	19.5	9.5	11.5	9.0	6.0	300	150	1.2	10	10	200	0.85	150
S424HE	800	33	17.5	8.5	10.3	8.0	5.4	300	150	1.35	10	20	200	0.85	175
S424IE	1000	33	17.5	8.5	10.3	8.0	5.4	300	150	1.35	10	20	200	0.85	175
S424DC	200	33	17.5	8.5	10.3	8.0	5.4	300	150	1.35	10	20	200	0.85	70
S424FC	400	33	17.5	8.5	10.3	8.0	5.4	300	150	1.35	10	20	200	0.85	70
S424GC	600	33	17.5	8.5	10.3	8.0	5.4	300	150	1.35	10	20	200	0.85	70
S424AA	50	44	23	11.5	13.75	11	6.6	375	170	1.0	10	20	200	0.85	30
S424BA	100	44	23	11.5	13.75	11	6.6	375	170	1.0	10	20	200	0.85	30
S424CA	150	44	23	11.5	13.75	11	6.6	375	170	1.0	10	20	200	0.85	30

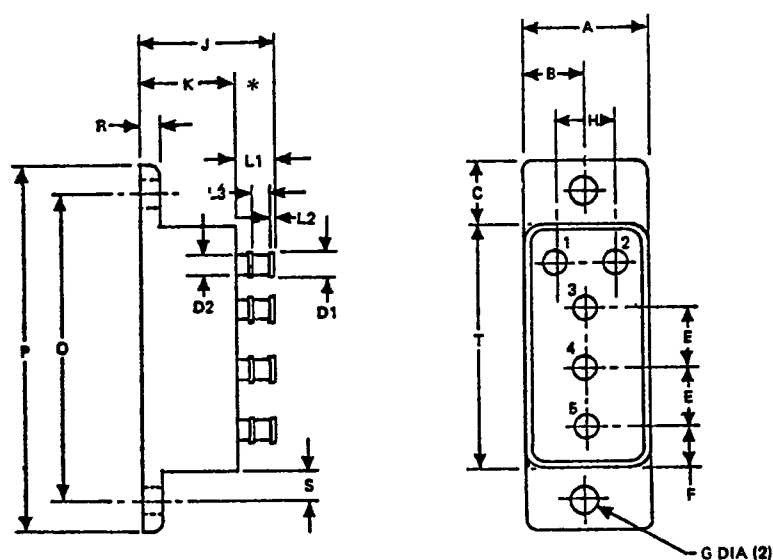
① T_C = Case Temperature② T_A = Ambient Temperature, No Heat Sink

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 Ampst_{rr} measured on discrete rectifiers prior to assembly

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

Case finish: Black Anodized



LTR	INCH		MILLIMETER	
	MIN	MAX	MIN	MAX
A	.730	.770	18.54	19.56
B	.355	.395	9.02	10.03
C	.355	.395	9.02	10.03
D1	.141	.151	3.58	3.84
D2	.108	.118	2.74	3.00
E	.355	.395	9.02	10.03
F	.230	.270	5.84	6.86
G	.149	.189	3.78	4.80
H	.355	.395	9.02	10.03
J		.82		20.83
K	.39	.59	9.91	12.95
L1		.320		8.13
L2	.015	.030	.38	.76
L3	.100	.125	2.54	3.18
O	1.84	1.90	46.74	48.26
P	2.22	2.28	56.39	57.91
R	.09	.15	2.29	3.81
S	.168	.208	4.27	5.28
T	1.47	1.53	37.34	38.86

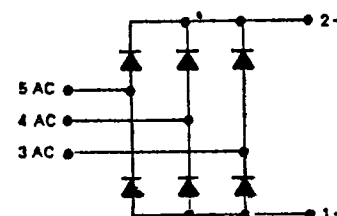


FIG. 424

* POTTING SURFACE UNCONTROLLED