

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		PEAK 1 CY SUR CUR	PEAK RECUR SURGE	MAX FWD VOLTAGE PER LEG		MAX REVERSE CURRENT AT PIV/LEG		² MAX REC TIME
		AMPS AT T _C		25°C	25°C	25°C		μ AMPS		
	V	55°C	100°C	AMPS	AMPS	V	A	25°C	100°C	nSEC
S455DH	200	30	20	150	75	1.4	9.0	5.0	100	5000
S455FH	400	30	20	150	75	1.4	9.0	5.0	100	5000
S455GH	600	30	20	150	75	1.4	9.0	5.0	100	5000
S455HH	800	30	20	150	75	1.4	9.0	5.0	100	5000
S455IH	1000	30	20	150	75	1.4	9.0	5.0	100	5000
S455DE	200	25	17	125	60	1.6	9.0	5.0	100	150
S455FE	400	25	17	125	60	1.6	9.0	5.0	100	150
S455GE	600	25	17	125	60	1.6	9.0	5.0	100	150
S455HE	800	22	15	100	50	1.75	9.0	5.0	100	175
S455IE	1000	22	15	100	50	1.75	9.0	5.0	100	175
S455DC	200	22	15	100	50	1.75	9.0	5.0	100	70
S455FC	400	22	15	100	50	1.75	9.0	5.0	100	70
S455GC	600	22	15	100	50	1.75	9.0	5.0	100	70
S455AA	50	35	23	150	65	1.0	6.0	10.0	100	30
S455BA	100	35	23	150	65	1.0	6.0	10.0	100	30
S455CA	150	35	23	150	65	1.0	6.0	10.0	100	30
S455DA	200	35	23	150	65	1.1	6.0	10.0	100	30
S455GA	600	12	8	60	30	2.5	2.0	10.0	100	30

¹ T_C = Case Temperature

² Recovery Conditions I_F = 0.5A, I_R = 1.0A, t_{rr} measured when rectifier recovers to 0.25 amps

Recovery Time measured on discrete diodes prior to assembly

Operating and Storage Temperature -55°C to +150°C

Maximum Thermal Impedance junction to case = 1.25°C/W

Also available with leads bent at a 90° angle; consult factory for part number

MECHANICAL DIMENSIONS FOR RECTIFIER ASSEMBLIES

TOLERANCES - INCHES XX $\pm .020$ METRIC XX $\pm (.508)$ (EXCEPT AS NOTED)
XXX $\pm .010$ XXX $\pm (.254)$

SCHEMATIC

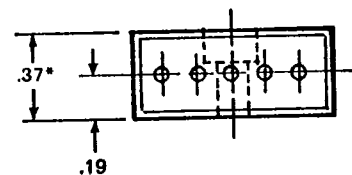
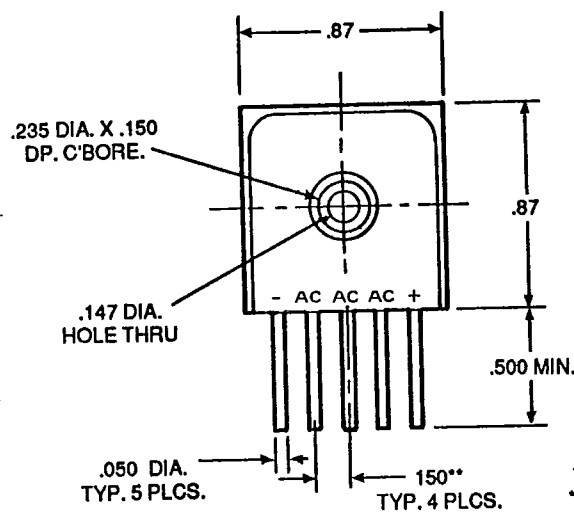
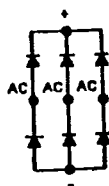


FIG. 455

* POTTING SURFACE UNCONTROLLED
** ϕ TO ϕ DIM. OF .150 $\pm$.010 IS ONLY CONTROLLED ON THE FIRST .100" OF THE LEAD LENGTH FROM THE CASE.