SENSITRON
SEMICONDUCTOR

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TECHNICAL SPECIFICATIONS

GENERAL PURPOSE

25 AMP, THREE PHASE
BRIDGE RECTIFIER ASSEMBLY
THE ALL ALUMINUM CASE IS ELECTRICALLY
ISOLATED FROM THE CIRCUIT FOR EASE IN MOUNTING

JANTX
QUALIFIED

Electrical Specifications

The following ratings are per MIL-S-19500/483.
The devices actual capabilities on Output Current and Surge Current are significantly higher. Consult factory for details.

JXM 19500/483 THREE PHASE SILICON BRIDGE RECTIFIER ASSEMBLY

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		MAX REC TIME (2)
		AMPS AT T_C			25°C	25°C	25°C		μ Amps		
	V	55°C	100°C	125°C	AMPS	AMPS	V	A	25°C	100°C	n SEC
JXM19500/483-01	200	25	18.5	9.25	150	75	1.3	39	2.0	200	2000
JXM19500/483-02	400	25	18.5	9.25	150	75	1.3	39	2.0	200	2000
JXM19500/483-03	600	25	18.5	9.25	150	75	1.3	39	2.0	200	2000

Sensitron's high current rectifier assemblies are of the cold case aluminum design. These assemblies will meet the stringent requirements of military and industrial product applications. This rugged mechanical construction combined with permanently stable electrical characteristics makes Sensitron's assemblies the ultimate in quality and reliability.

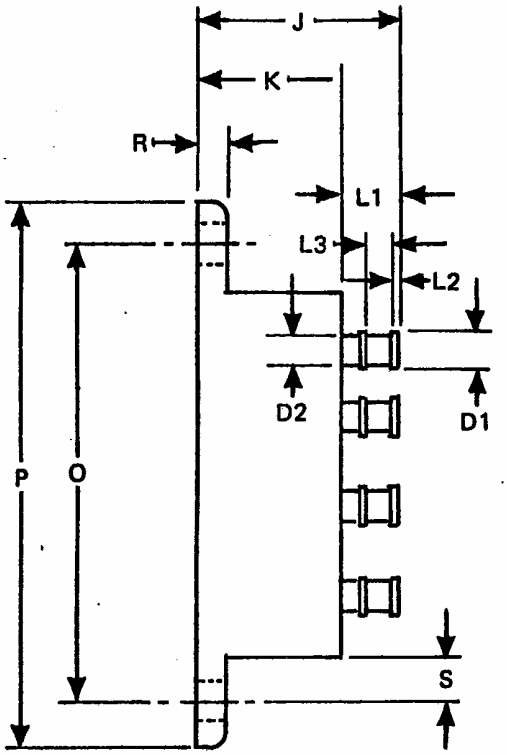
(1) T_C = Case Temperature

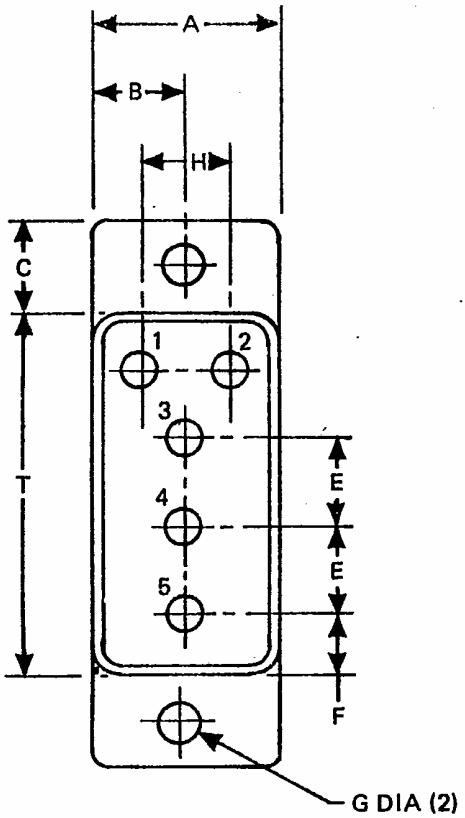
(2) Recovery Conditions I_F = 0.5A I_R = 1.0A trr measured when rectifier recovers to 0.25 Amps.
Operating and Storage Temperature - 65°C to + 150°C
Derate from 25A at 55°C to 18.5A at 100°C (144mA/°C)
Derate from 18.5A at 100°C to 0A at 150°C (370mA/°C)

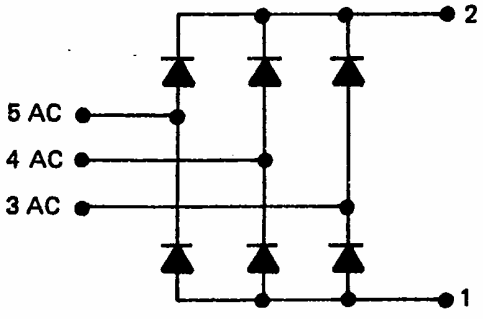
MECHANICAL CHARACTERISTICS

Case: Aluminum Electrically Isolated From Circuit
Finish: Black Anodized
Internal Rectifiers: Non-Cavity Metallurgically Bonded Glass Hermetic Axial Lead Rectifiers.

MECHANICAL DIMENSIONS FOR RECTIFIER ASSEMBLIES







DIMENSIONS				
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