



SENSITRON SEMICONDUCTOR

221 West Industry Court • Deer Park, NY 11729

Telephone: (516) 586-7600 • Telex 96-7737

FAX 516 242 9798

TECHNICAL SPECIFICATIONS

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

AVAILABLE WITH
JAN, JANTX OR
JANTXV DIODES
INTERNAL

Electrical Specifications

THREE PHASE SILICON BRIDGE RECTIFIER ASSEMBLIES

TYPE NUMBER	1 PIV PER LEG	MAX. AVERAGE 2 D.C. OUTPUT CURRENT			PEAK 1 CY.SUR. CUR.	PEAK RECUR. SURGE	MAX. FWD VOLTAGE PER LEG		MAX. REVERSE CURRENT AT PIV/LEG		3 MAX REC. TIME
		AMPS AT T _C			25°C	25°	25°C		μ AMPS		
	V	55°C	100°C	125°C	AMPS	AMPS	V	A	25°C	100°C	μ SEC
SL303100L	1000	30	22	15	150	75	1.4	9.0	5.0	100	5000
SL30360FRL	600	22.5	16.5	11.3	125	60	1.6	9.0	5.0	100	150
SL30360S7L	600	20	15	10	100	50	1.75	9.0	5.0	100	70
SL30315HEL	150	30	22	15	150	65	1.0	6.0	10	100	30

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. Other PIV ranges available - Consult factory for part number.
2. T_C = Case Temperature
3. 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 Mounting Surface 1.25°C/W

MECHANICAL CHARACTERISTICS

Case: Aluminum Electrically Isolated From Circuit

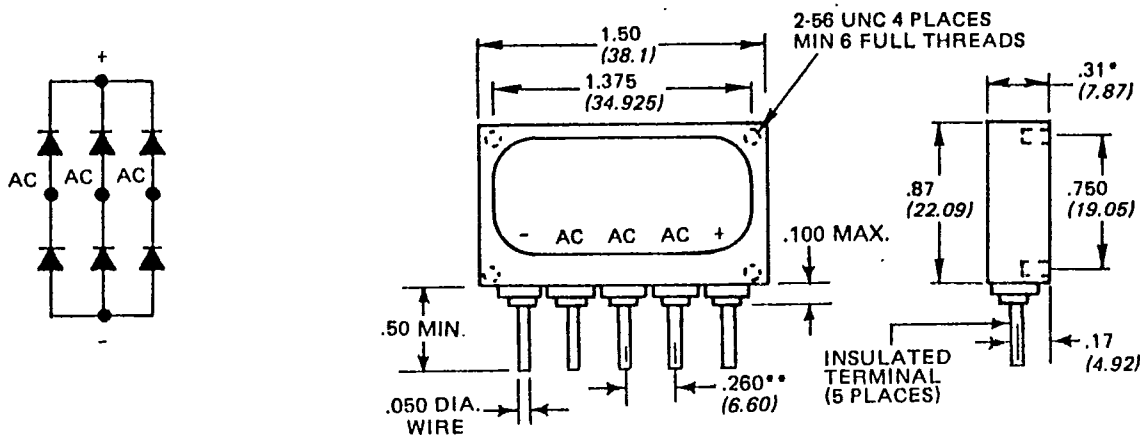
Finish: Black Anodized

Internal Rectifiers: Non-Cavity Metallurgically Bonded Glass Hermetic Axial Lead Rectifiers

MECHANICAL DIMENSIONS FOR RECTIFIER ASSEMBLIES

TOLERANCES-INCHES XX $\pm .020$
XXX $\pm .010$

METRIC XX $\pm (.508)$ (EXCEPT AS NOTED)
XXX $\pm (.254)$



*POTTING SURFACE UNCONTROLLED

**C TO C DIM. IS ONLY CONTROLLED ON THE FIRST 0.100" OF THE LEAD LENGTH FROM THE TEFLON BUSHING

NOTE: PART IS AVAILABLE WITH LEADS BENT AT A 90° ANGLE; CONSULT FACTORY FOR DETAILS.

CHARACTERISTIC CURVES

