

T-23-07



SENSITRON SEMICONDUCTOR

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TECHNICAL SPECIFICATIONS

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

AVAILABLE WITH
JANTX OR JANTXV
DIODES INTERNAL

SINGLE PHASE BRIDGE RECTIFIER ASSEMBLY

TYPE NUMBER	PIV PER LEG	MAX AVERAGE① DC OUTPUT CURRENT			PEAK 1 CY. SUR. CUR.	MAX FWD VOLTAGE PER LEG		MAX REVERSE CURRENT AT PIV/LEG		② MAX REC TIME
		AMPS AT TC				25°C		μAMPS		
		V	55°C	100°C	125°C	AMPS	V	A	25°C	100°C
S10A20	200	12	9.0	6.0	125	1.3	9.0	2.0	100	5000
S10A60	600	12	9.0	6.0	125	1.3	9.0	2.0	100	5000
S10A100	1000	12	9.0	6.0	125	1.4	9.0	2.0	100	5000
S10A20FR	200	10	7.5	5.0	100	1.6	9.0	2.0	100	150
S10A60FR	600	10	7.5	5.0	100	1.6	9.0	2.0	100	150
S10A100FR	1000	9	6.75	4.5	100	1.75	9.0	5.0	100	175
S10A20S7	200	9	6.75	4.5	100	1.75	9.0	5.0	100	70
S10A40S7	400	9	6.75	4.5	100	1.75	9.0	5.0	100	70
S10A60S7	600	9	6.75	4.5	100	1.75	9.0	5.0	100	70
S10A05HE	50	15	11	7.5	150	1.0	6.0	10	100	30
S10A10HE	100	15	11	7.5	150	1.0	6.0	10	100	30
S10A15HE	150	15	11	7.5	150	1.0	6.0	10	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 is 2° C/W

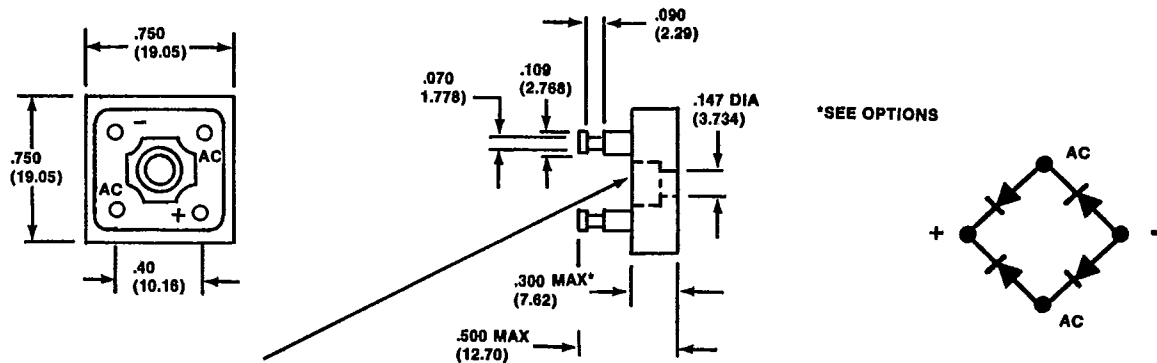
MECHANICAL CHARACTERISTICS

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 $\pm (.254)$



STANDARD	C'BORE DIA .235 (5.97) C'BORE DEPTH .15 (3.81)
OPTION "A"	.147" DIA* THRU HOLE (NO C'BORE)
OPTION "B"	6/32 THREADED THRU (NO C'BORE)

*POTTING SURFACE
UNCONTROLLED

CHARACTERISTIC CURVES

AVERAGE OUTPUT CURRENT (I_o) IN AMPERES
VS
TEMPERATURE IN DEGREES CENTIGRADE

