

TECHNICAL DATA
DATA SHEET 5417, REV. A

THREE PHASE FULL WAVE RECTIFIER ASSEMBLY

DESCRIPTION: Super fast recovery, fast recovery, general purpose, 3-phase full wave rectifier assembly.

MAXIMUM RATINGS / ELECTRICAL CHARACTERISTICS: All ratings are at $t_c = 25^\circ\text{C}$ unless otherwise specified.

MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE: (t_c, t_{stg}) = -55°C to $+150^\circ\text{C}$.

OPTION: Add suffix "S" to the part number for S-100 screening.

DIELECTRIC: A Dielectric Withstanding Voltage test will be performed with the metal case of the assembly connected to ground and all terminals connected to the high potential side of a DC power supply or scope display test. Voltage applied shall be 2800 Vdc and held for 10 seconds.

WEIGHT: 18 gms max.

TYPE NUMBER	PEAK INVERSE VOLTAGE (PER LEG)	MAX. AVERAGE DC OUTPUT CURRENT		PEAK 1 CYCLE SURGE CURRENT $t_p = 8.3 \text{ msec}$ (PER LEG)	MAX. FORWARD VOLTAGE DROP (PER LEG)		MAX. REVERSE CURRENT I_r @ PIV (PER LEG) (μA)		MAX. THERMAL RESISTANCE $R_{\theta JC}$ (PER LEG)	MAX. REVERSE REC. TIME (PER LEG) $I_F = 0.5\text{A},$ $I_R = 1.0\text{A},$ $T_{RR} = 0.25\text{A}$
		55°C	100°C		Volts	Amps	25°C	100°C		
S10A305FR	50	10	7	80	1.60	9	5	100	1.7	180
S10A305HE	50	15	9	80	1.10	5	10	100	1.7	40
S10A310FR	100	10	7	80	1.60	9	5	100	1.7	180
S10A310HE	100	15	9	80	1.10	5	10	100	1.7	40
S10A315HE	150	15	9	80	1.10	5	10	100	1.7	40
S10A320	200	11	8	80	1.40	9	5	100	1.7	5000
S10A320FR	200	10	7	80	1.60	9	5	100	1.7	180
S10A320S7	200	9	6.3	80	1.75	9	5	100	2.5	85
S10A340	400	11	8	80	1.40	9	5	100	1.7	5000
S10A340FR	400	10	7	80	1.60	9	5	100	1.7	180
S10A340S7	400	9	6.3	80	1.75	9	5	100	2.5	85
S10A360	600	11	8	80	1.40	9	5	100	1.7	5000

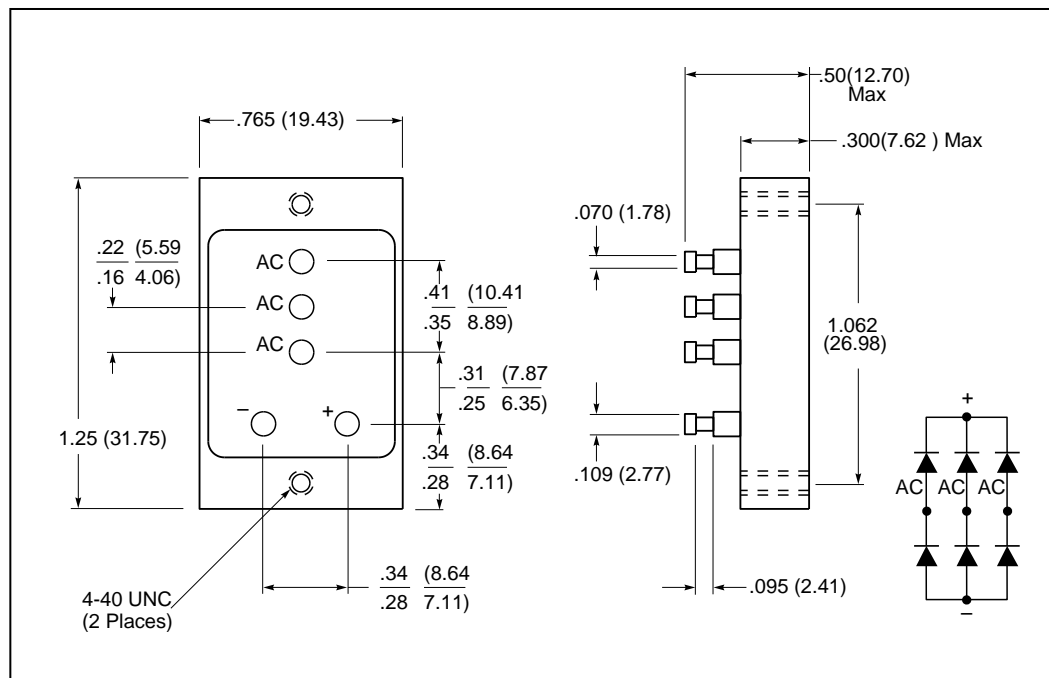
SENSITRON SEMICONDUCTOR

S10A305FR, S10A305HE, S10A310FR, S10A310HE,
S10A315HE, S10A320, S10A320FR, S10A320S7, S10A340,
S10A340FR, S10A340S7, S10A360, S10A360FR, S10A360S7,
S10A380, S10A3100, S10A3100FR

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TYPE NUMBER	PEAK INVERSE VOLTAGE (PER LEG)	MAX. AVERAGE DC OUTPUT CURRENT		PEAK 1 CYCLE SURGE CURRENT $t_p = 8.3 \text{ msec}$ (PER LEG)	MAX. FORWARD VOLTAGE DROP (PER LEG)		MAX. REVERSE CURRENT I_r @ PIV (PER LEG) (μA)		MAX. THERMAL RESISTANCE $R_{\theta JC}$ (PER LEG) ($^{\circ}\text{C/W}$)	MAX. REVERSE REC. TIME (PER LEG) $I_F = 0.5\text{A},$ $I_R = 1.0\text{A},$ $T_{RR} = 0.25\text{A}$
		55 $^{\circ}\text{C}$	100 $^{\circ}\text{C}$		Volts	Amps	25 $^{\circ}\text{C}$	100 $^{\circ}\text{C}$		
S10A360FR	600	10	7	80	1.60	9	5	100	1.7	180
S10A360S7	600	9	6.3	80	1.75	9	5	100	2.5	85
S10A380	800	11	8	80	1.40	9	5	100	1.7	5000
S10A3100	1000	11	8	80	1.40	9	5	100	1.7	5000
S10A3100FR	1000	9	6.3	80	1.75	9	5	100	2.5	180

MECHANICAL DIMENSIONS: In Inches / mm



CAT. 410

CASE: Black anodized
POTTING SURFACE: Uncontrolled

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