

TECHNICAL DATA DATA SHEET 5417, REV. B

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 $t_c = 25^{\circ}$ C unless otherwise specified.

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

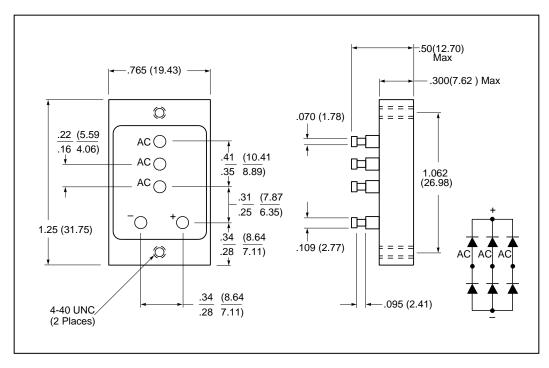
TYPE NUMBER	PEAK INVERSE VOLTAGE (PER LEG)	MAX. AVERAGE DC OUTPUT CURRENT		PEAK 1 CYCLE SURGE CURRENT $t_p = 8.3 \text{ msec}$ (PER LEG)	CYCLE FORWARD SURGE VOLTAGE JRRENT DROP 8.3 msec (PER LEG)		MAX. REVERSE CURRENT I _r @ PIV (PER LEG) (μA)		MAX. THERMAL RESISTANCE Rట్ర (PER LEG)	$\begin{array}{c} \textbf{MAX.} \\ \textbf{REVERSE} \\ \textbf{REC. TIME} \\ \textbf{(PERLEG)} \\ \textbf{I}_F = 0.5 \text{A,} \\ \textbf{I}_R = 1.0 \text{A,} \\ \textbf{T}_{RR} = 0.25 \text{A} \end{array}$
	Volts	55°C	100°C	Amps	Volts	Amps	25ºC	100°C	°C/W	ns
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

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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 msec (PER LEG)	MAX. FORWARD VOLTAGE DROP (PER LEG)		MAX. REVERSE CURRENT I _r @ PIV (PER LEG) (μA)		MAX. THERMAL RESISTANCE R _{0JC} (PER LEG)	$\begin{array}{c} \textbf{MAX.} \\ \textbf{REVERSE} \\ \textbf{REC. TIME} \\ \textbf{(PERLEG)} \\ \textbf{I}_{F} = 0.5 \text{A}, \\ \textbf{I}_{R} = 1.0 \text{A}, \\ \textbf{T}_{RR} = 0.25 \text{A} \end{array}$
	Volts	55ºC	100°C	Amps	Volts	Amps	25°C	100°C	°C/W	ns
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
S10A3100S7	1000	9	6.3	80	1.75	9	5	100	2.5	80

MECHANICAL DIMENSIONS: In Inches / mm



CAT. 410

CASE: Black anodized

POTTING SURFACE: Uncontrolled



\$10A305FR, \$10A305HE, \$10A310FR, \$10A310HE, \$10A315HE, \$10A320, \$10A320FR, \$10A320S7, \$10A340, \$10A340FR, \$10A340S7, \$10A360, \$10A360FR, \$10A360S7, \$10A380, \$10A3100FR

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