TECHNICAL DATA
DATA SHEET 5421, REV. -

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 = 25ºC unless otherwise specified.

MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE: (t_c, t_{stg}) = -55ºC to + 150ºC.

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.

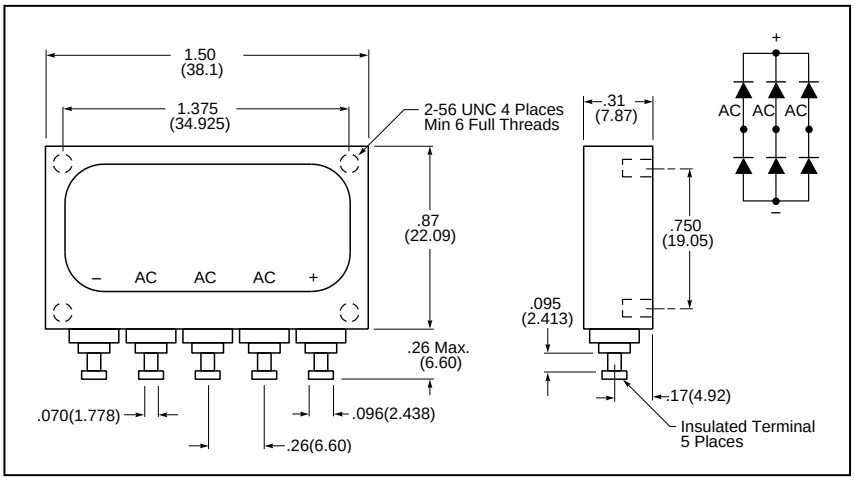
WEIGHT: 26 gms max.

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 $R_{\theta JC}$ (PER LEG)	MAX. REVERSE REC. TIME (PERLEG) I_F = 0.5A, I_R = 1.0A, T_{RR} = 0.25A
	Volts	55ºC	100ºC	Amps	Volts	Amps	25ºC	100ºC	ºC/W	ns
SL30315HE	150	30	22	80	1.1	5	10	100	1.7	40
SL30315HEL	150	30	22	80	1.1	5	10	100	1.7	40
SL30320	200	30	22	80	1.3	9	5	100	1.7	5000
SL30320L	200	30	22	80	1.3	9	5	100	1.7	5000
SL30320FR	200	22.5	16.5	80	1.6	9	5	100	1.7	180
SL30320FRL	200	22.5	16.5	80	1.6	9	5	100	1.7	180
SL30320S7	200	20	15	80	1.75	9	5	100	2.5	85
SL30340	400	30	22	80	1.3	9	5	100	1.7	5000
SL30340L	400	30	22	80	1.3	9	5	100	1.7	5000
SL30340FR	400	22.5	16.5	80	1.6	9	5	100	1.7	180
SL30340FRL	400	22.5	16.5	80	1.6	9	5	100	1.7	180

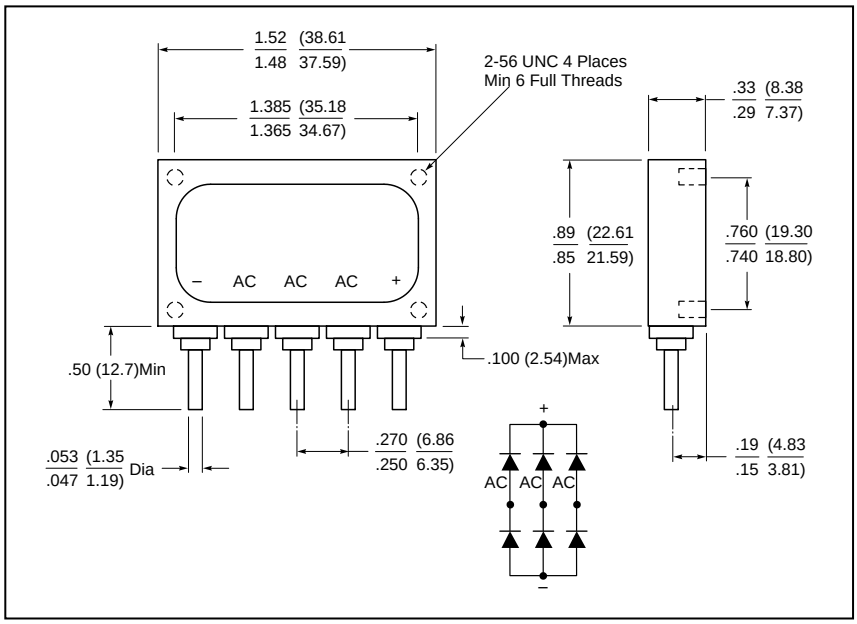
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(631) 586-7600 FAX (631) 242-9798 • www.sensitron.com • sales@sensitron.com

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 $R_{\theta JC}$ (PER LEG)	MAX. REVERSE REC. TIME (PERLEG) I_F = 0.5A, I_R = 1.0A, T_{RR} = 0.25A
	Volts	55ºC	100ºC	Amps	Volts	Amps	25ºC	100ºC	ºC/W	ns
SL30340S7	400	20	15	80	1.75	9	5	100	2.5	85
SL30360	600	30	22	80	1.3	9	5	100	1.7	5000
SL30360L	600	30	22	80	1.3	9	5	100	1.7	5000
SL30360FR	600	22.5	16.5	80	1.6	9	5	100	1.7	180
SL30360FRL	600	22.5	16.5	80	1.6	9	5	100	1.7	180
SL30360S7	600	20	15	80	1.75	9	5	100	2.5	85
SL30360S7L	600	20	15	80	1.75	9	5	100	2.5	85
SL30380	800	30	22	80	1.3	9	5	100	1.7	5000
SL30380L	800	30	22	80	1.3	9	5	100	1.7	5000
SL303100	1000	30	22	80	1.3	9	5	100	1.7	5000
SL303100L	1000	30	22	80	1.3	9	5	100	1.7	5000
SL303100FR	1000	20	15	80	1.75	9	5	100	2.5	180
SL303100FRL	1000	20	15	80	1.75	9	5	100	2.5	180

MECHANICAL DIMENSIONS: In Inches / mm



CAT. 406



CAT. 406L

CASE: Black anodized
POTTING SURFACE: Uncontrolled

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