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: 32gms 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
SC3BA05	50	18	12.5	80	1.1	5	3	60	1.7	40
S25A305	50	18	15	80	1.30	9	3	100	1.7	5000
S25A305HE	50	18	12.5	80	1.10	5	5	100	1.7	40
S25A310	100	18	15	80	1.30	9	3	100	1.7	5000
S25A310FR	100	20	15	80	1.60	9	5	100	1.7	180
S25A310HE	100	18	12.5	80	1.10	5	5	100	1.7	40
S25A315HE	150	18	12.5	80	1.10	5	5	100	1.7	40
S25A320	200	18	15	80	1.30	9	3	100	1.7	5000
S25A320FR	200	20	15	80	1.60	9	5	100	1.7	180
S25A320S7	200	18	13.5	80	1.75	9	5	100	2.5	85
S25A340	400	18	15	80	1.30	9	3	100	1.7	5000
S25A340FR	400	20	15	80	1.60	9	5	100	1.7	180

TECHNICAL DATA
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	Volts	55ºC	100ºC	Amps	Volts	Amps	25ºC	100ºC	ºC/W	ns
S25A340S7	400	18	13.5	80	1.75	9	5	100	2.5	85
SC3BA6	600	18	15	80	1.00	3	5	100	1.7	5000
S25A360	600	18	15	80	1.30	9	3	100	1.7	5000
S25A360FR	600	20	15	80	1.60	9	5	100	1.7	180
S25A360S7	600	18	13.5	80	1.75	9	5	100	2.5	85
S25A380	800	18	15	80	1.30	9	3	100	1.7	5000
S25A3100	1000	18	15	80	1.30	9	3	100	1.7	5000
S25A3100FR	1000	18	13.5	80	1.75	9	5	100	2.5	180

TECHNICAL DATA
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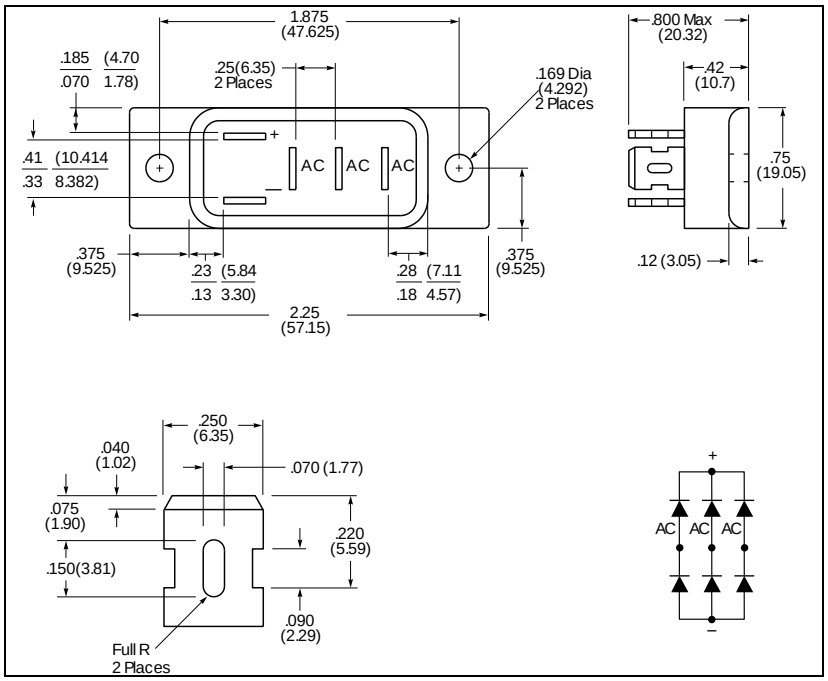
MECHANICAL DIMENSIONS: In Inches / mm



CAT. 404

CASE: Black anodized
POTTING SURFACE: Uncontrolled