TECHNICAL DATA
DATA SHEET 5416, 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 = 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.

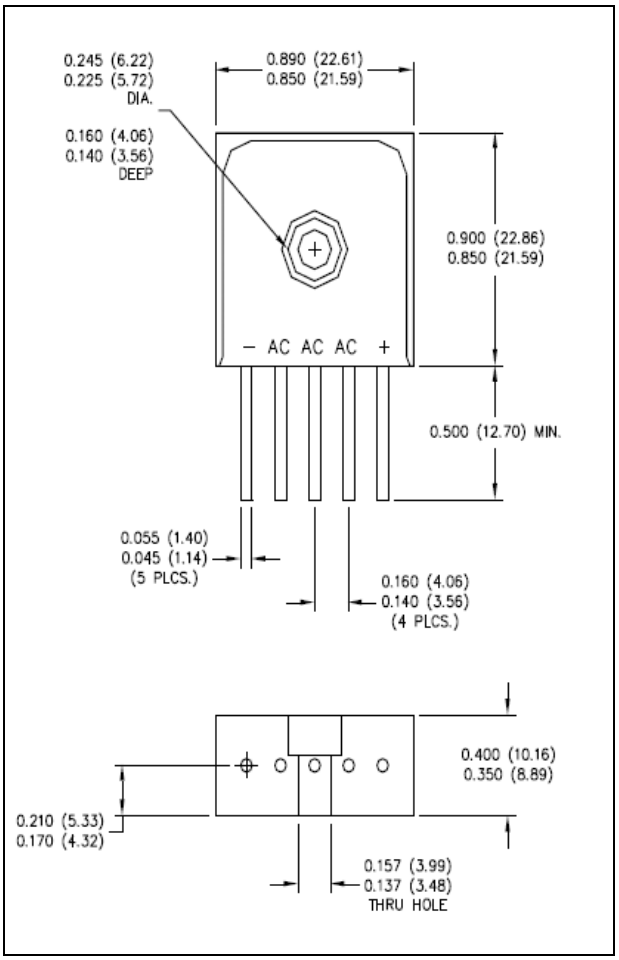
WEIGHT: 18 gms max.

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
S455CA	150	35	23	80	1.10	5	10	100	1.7	40
S455DA	200	35	23	80	1.10	5	10	100	1.7	40
S455DC	200	22	15	80	1.75	9	5	100	2.5	85
S455FC	400	22	15	80	1.75	9	5	100	2.5	85
S455GC	600	22	15	80	1.75	9	5	100	2.5	85
S455GE	600	25	17	80	1.60	9	5	100	1.7	180
S455GH	600	30	20	80	1.40	9	5	100	1.7	5000
S455IE	1000	22	15	80	1.75	9	5	100	2.5	180
S455IH	1000	30	20	80	1.40	9	5	100	1.7	5000

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MECHANICAL DIMENSIONS: In Inches / mm



CAT. 455

CASE: Black anodized
POTTING SURFACE: Uncontrolled

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