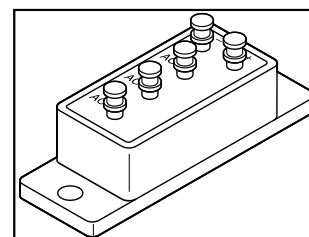


TECHNICAL DATA  
DATA SHEET 5274, REV. C



## 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:** ( $t_c, t_{stg}$ ) =  $-55^\circ\text{C}$  to  $+150^\circ\text{C}$ .

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

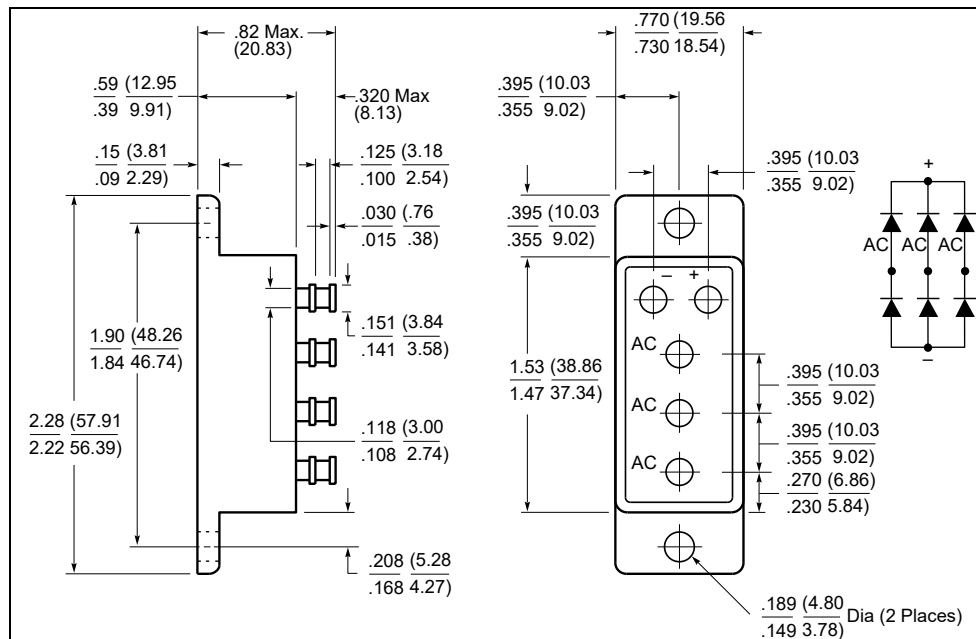
**DIELECTRIC:** A Dielectric Withstanding Voltage test will be performed with the metal case of the assembly connected to ground and all terminals connected to the high potential side of a DC power supply or scope display test. Voltage applied shall be 2800 Vdc and held for 10 seconds.

**WEIGHT:** 45 gm 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) ( $\mu\text{A}$ )		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		
S424CA	150	37	19.5	240	1.00	10	10	200	0.85	60
S424GC	600	37	19.5	240	1.35	10	10	200	0.85	85
S424GE	600	37	19.5	240	1.35	10	10	200	0.85	195
S424GH	600	40	24	240	1.20	10	10	200	0.85	7000
S424IE	1000	37	19.5	240	1.35	10	10	200	1.2	195
S424IH	1000	40	24	240	1.20	10	10	200	0.85	7000

**TECHNICAL DATA**  
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**MECHANICAL DIMENSIONS: In Inches / mm**



**PKG: 424**

**CASE:** Black anodized  
**POTTING SURFACE:** Uncontrolled

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