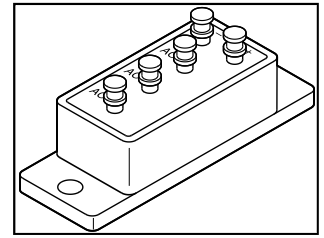


TECHNICAL DATA
DATA SHEET 6086, REV -



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

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

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

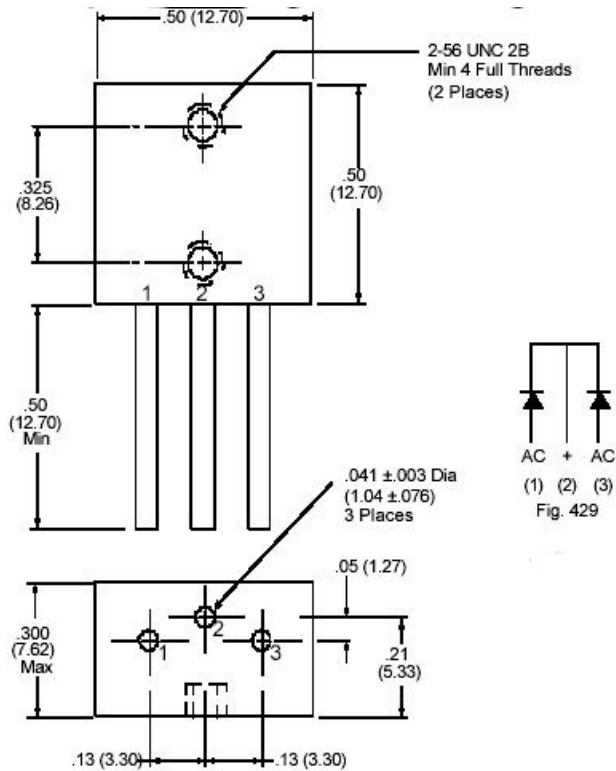
DIELECTRIC: A Dielectric Withstanding Voltage test will be performed with the metal case of the assembly connected to ground and all terminals connected to the high potential side of a DC power supply or scope display test. Voltage applied shall be 2800 Vdc and held for 10 seconds.

WEIGHT: 45 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)	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 (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		
S429CA	150	12	7.2	100	1.20	6	10	100	7	40
S429GC	600	8	4.8	100	1.75	9	5	100	7	85
S429GE	600	9	5.4	100	1.6	9	5	100	7	180
S429IE	1000	9	5.4	100	1.6	9	5	100	7	300
S429IH	1000	10	6	100	1.4	9	5	100	7	5000

TECHNICAL DATA
DATA SHEET 6086, REV -

MECHANICAL DIMENSIONS: In Inches / mm



PKG: 429

CASE: Black anodized
POTTING SURFACE: Uncontrolled

PART ORDERING INFORMATION:

S429CAX

Part Number

Screening Level (blank is no screening):

Suffix	Screened in Accordance with:
blank	No screening level
S	MIL-PRF-19500, TXV Level

TECHNICAL DATA
DATA SHEET 6086, REV -

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