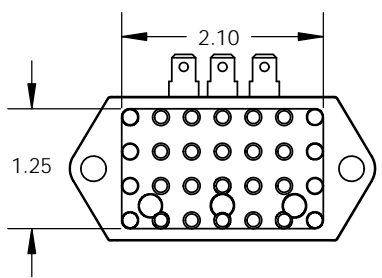
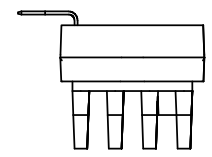
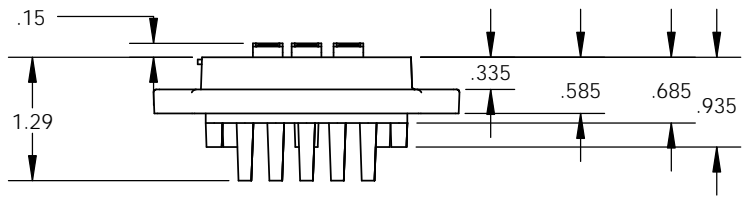


- NOTES:
- FULL WAVE 30 AMP REGULATOR/RECTIFIER WITH CHARGING SHUTDOWN IN RESPONSE TO OVER-VOLTAGE CONDITION.
 - UNIT PROTECTED AGAINST: REVERSE BATTERY CONDITION, OPEN CIRCUIT AND SHORT CIRCUIT OPERATION. EXTERNAL FUSE PROTECTION IS RECOMMENDED.
 - FOR MATING TERMINAL AND CONNECTOR PARTS USE PACKARD ELECTRICAL TERMINAL #2965142 AND CONECTOR BODY #2984959.
 - REGULATOR TO BE USED WITH 12 VOLT NEGATIVE GROUND BATTERY.
 - VOLTAGE AT REGULATION 14.1 ± 0.2 VOLTS AT 70°F , 3600 RPM.
 - MAXIMUM S.C.R. TEMPERATURE NOT TO EXCEED 205°F AT 25 AMPS.
 - REVERSE CURRENT: 1 MILLIAMP MAXIMUM AT 12.6V AT 70°F .
 - REMOVE SHARP EDGES ON TERMINALS BOTH SIDES.
 - TEMPERATURE COMPENSTATION RANGE TO BE FROM -5 MILLIVOLTS/ $^{\circ}\text{F}$ TO -15 MILLIVOLTS/ $^{\circ}\text{F}$.
 - ENCAPSULATE UNIT WITH POLYURETHANE, NOT TO EXCEED HEIGHT OF THE HOUSING.
 - CURRENT AT REGULATION .5 AMPS MAXIMUM AT 70°F .
 - MINIMUM REGULATOR TURN ON VOLTAGE TO BE 6.0 VOLTS MAX.
 - REGULATOR TO DISCONTINUE CHARGING IN RESPONSE TO BATTERY OVER-VOLTAGE. OVERVOLTAGE SETPOINT TO BE: $18.5\text{V} \pm 1.2\text{V}$ AT 70°F . REGULATOR SHALL NOT RESUME CHARGING UNTILL STATOR FALLS BELOW 20V PEAK AT 70°F . REGULATORS TO BE 100% TESTED ON THESE PARAMETERS.



DWN	CHK	DESCRIPTION ECN #	REV	DATE			UNLESS OTHERWISE SPECIFIED:	NAME	DATE	
JG	DB		REL	3/23/10			DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL \pm ANGULAR: MACH \pm BEND \pm TWO PLACE DECIMAL ± 0.01 THREE PLACE DECIMAL ± 0.005 METRIC IN [mm]	DRAWN	JG	7/23/10
							INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1982	CHECKED	DB	7/23/10
							MATERIAL	ENG APPR.	DB	7/23/10
							FINISH	MFG APPR.		
								Q.A.		
								COMMENTS:		
								FIRST ANGLE VIEW		
QUOTE					NEXT ASSY	USED ON				
PROD					APPLICATION		DO NOT SCALE DRAWING			

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TROMBETTA ELECTRONICS
197 Commercial St.
Malden, Ma. 02148

TITLE:
**30A FULL-WAVE
REGULATOR/RECTIFIER**

SIZE	DWG. NO.	REV
A	AXXXX	REL

SCALE: 1:1 WEIGHT: SHEET 1 OF 1