

DWG# 9730 REV:S

REVISIONS			
LTR	DESCRIPTION	DATE	APPD
R	ADDED Vout ADJUST, STANDBY POWER, TEMP RAMP REQUIREMENT & ZINC PLATING	4-28-03	DS/KC
S	ON RIPPLE VOLTAGE ADDED "P-P" AND 2.4 PPM WAS .00024%. ON STABILITY: <200 PPM WAS 0.01%	5-2-03	DS/KC

NOTES:

- ### 1. ELECTRICAL SPECIFICATIONS (AFTER ONE HOUR WARMUP, +25°C)

INPUT VOLTAGE: +5 VOLTS $\pm 5\%$

OVERVOLTAGE PROTECTED: +15V

PROGRAMMING: 0 TO 4.1 VDC MAX

INPUT POWER: FULL LOAD: <300mw @ MAX VOUT
STANDBY: <25mw @ MIN VOUT

OUTPUT VOLTAGE: 0 TO 2,050 VOLTS
(TRIMMABLE WITH GAIN ADJUST POT)

OUTPUT CURRENT: 30 μ A

LINE REGULATION: 0.1%

LONG TERM STABILITY: <200 PPM/HR/8 HRS

P-P RIPPLE VOLTAGE: <2.4 PPM ON HV OUTPUT,
20mhz BANDWIDTH, TYPICAL

OPERATING TEMPERATURE: -55° TO $+50^{\circ}\text{C}$

STORAGE TEMPERATURE: -55° TO $+70^{\circ}\text{C}$

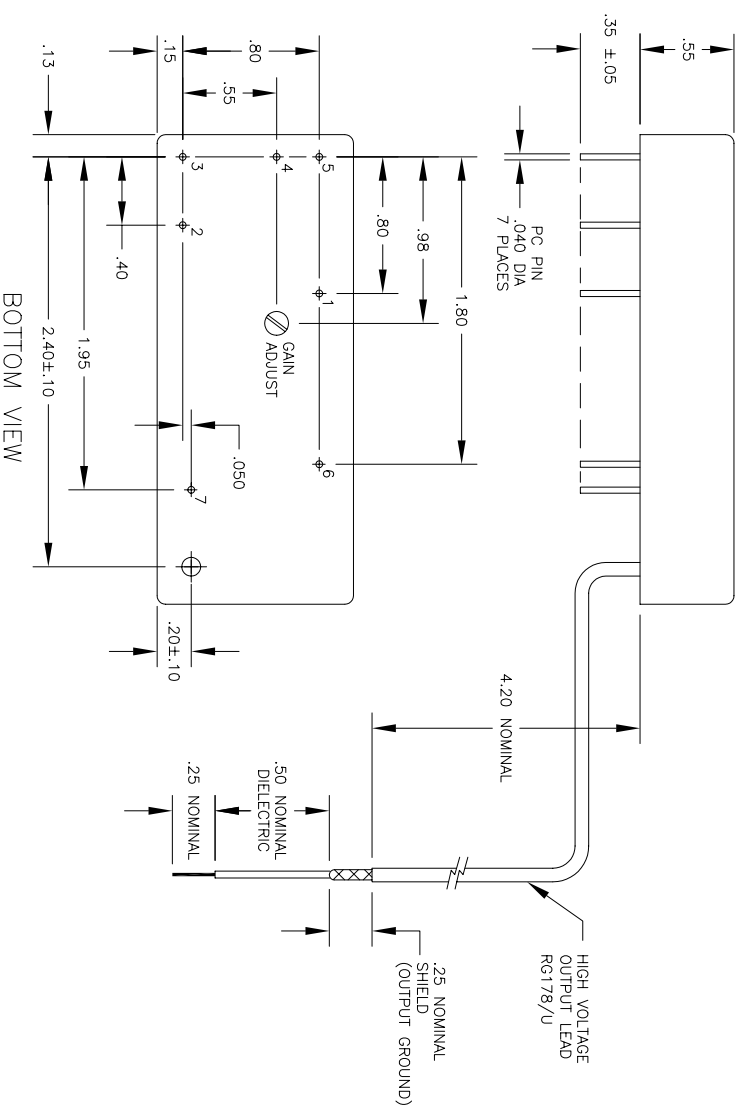
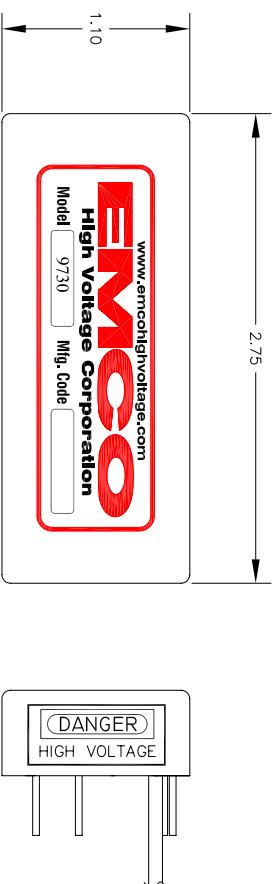
TEMPERATURE RAMPING: 1°C PER MINUTE MAX

2. DIMENSIONAL TOLERANCES: $+/- .03$

3. UNII WEIGHT: APPROX 2.2 OZ (62 GRAMS)

4. CONSTRUCTION:

BOX: ZINC PLATED STEEL
SOLID ENCAPSULATION



PIN #	FUNCTION
1	PROGRAMMING
*2	GROUND
*3	CASE GROUND
4	INPUT VOLTAGE
5	VOLTAGE MONITOR: 0 TO 4.1V
6 & 7	NO CONNECTION

* GROUND PINS 2 & 3 ARE INTERNALLY CONNECTED

		DECIMALS		ANGLES	
		.xx ⁺ .02		±	
3185		9730		.xxx ⁺ .010	
NEXT ASSY		USED ON		DIMENSIONS ARE IN INCHES	
APPLICATION				DO NOT SCALE DRAWING	

MODEL 9730			
SIZE	CAGE #	DWG#	REV
A	4T243	9730	S
SCALE NONE		SHEET	1 OF 1

ITEM	QTY	PART NO.	DESCRIPTION
PARTS LIST			
EMCO HIGH VOLTAGE CORP.			
www.emcohighvoltage.com			

OUTLINE & SPECIFICATIONS

MODEL 9730