

REVISIONS			
LTR	DESCRIPTION	DATE	APPD
E1	PER ECO# 050628	6-28-05	DS/RM

NOTES:

1. ELECTRICAL SPECIFICATIONS (AFTER ONE HOUR WARMUP)

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

OVERVOLTAGE PROTECTED: +15V

PROGRAMMING: 0 TO 2.048 VDC $<100\mu\text{A}$ INPUT POWER: FULL LOAD: $<300\text{mW}$ @ MAX VOUT, TYPICAL
STANDBY: $<25\text{mW}$ @ MIN VOUT

OUTPUT VOLTAGE: 0 TO 2,050 VOLTS

OUTPUT LOAD: 100 MEG

LINE REGULATION: 0.1%

LONG TERM STABILITY: <200 PPM/HR/8 HRS @ FULL OUTPUT
VOLTAGE AND CURRENTP-P RIPPLE VOLTAGE: <2.4 PPM @ FULL OUTPUT VOLTAGE
AND CURRENT.
DC TO 20MHz BANDWIDTH, TYPICAL

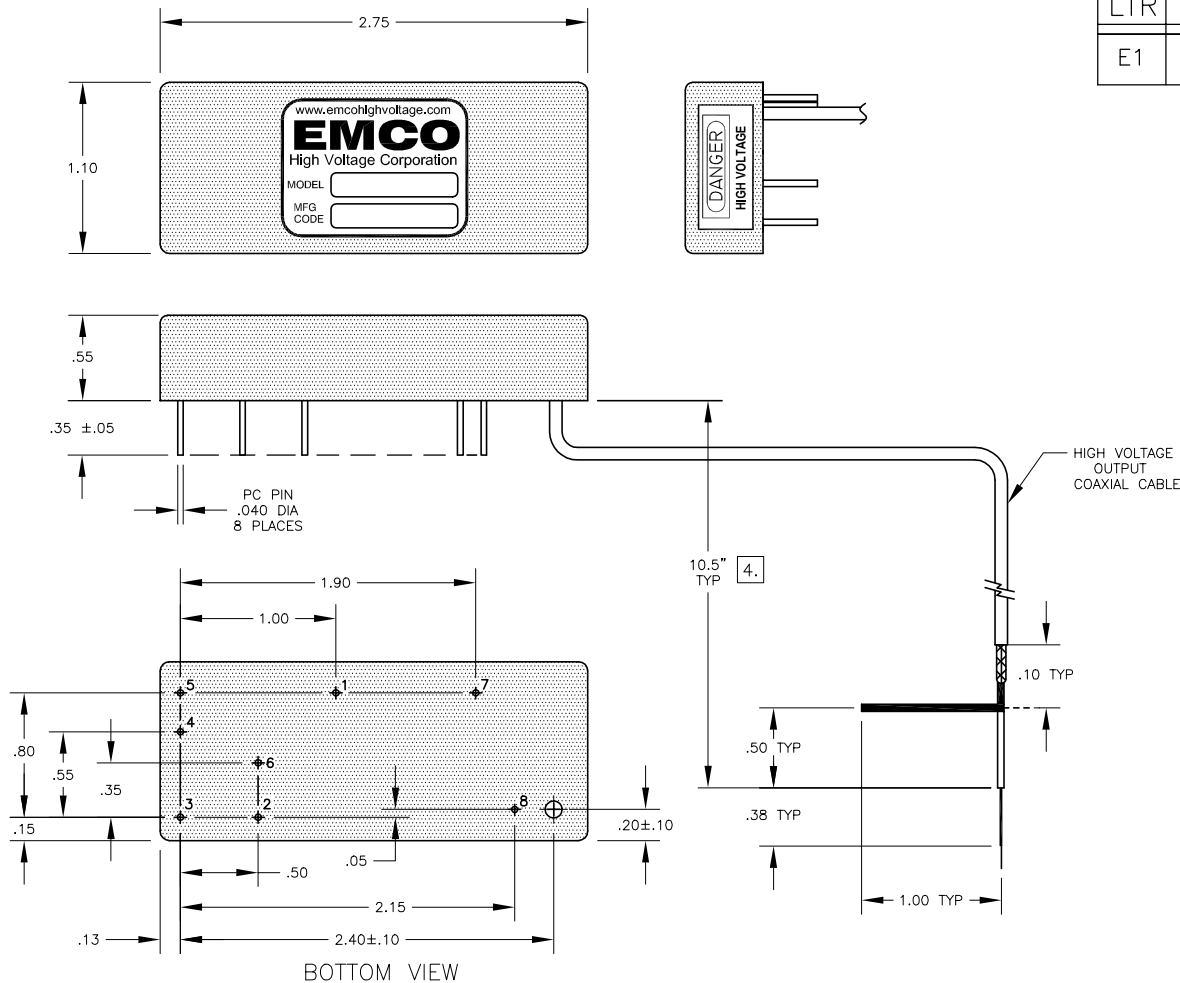
VOLTAGE MONITOR: 0 TO 2.048V @1.0MA MAX

ENABLE/DISABLE= LVTTTL COMPATIBLE

OPERATING TEMPERATURE: -10° TO $+60^{\circ}\text{C}$ STANDARD
 -55° TO $+70^{\circ}\text{C}$ OPTIONALSTORAGE TEMPERATURE: -20° TO $+90^{\circ}\text{C}$ STANDARD
 -55° TO $+105^{\circ}\text{C}$ OPTIONALTEMPERATURE RAMPING: 5°C PER MINUTE MAX

2. UNIT WEIGHT: LESS THAN 80 GRAMS

3. CONSTRUCTION:

BOX: STEEL, ZINC PLATED PER ASTM B-633 Fe/Zn 8 SC2 TYPE III
SOLID ENCAPSULATION4. LINEAR LENGTH FROM BOTTOM OF UNIT TO THE END OF THE INNER WIRE
INSULATOR.

PIN #	FUNCTION
1	PROGRAMMING INPUT
2	GROUND
3	CASE GROUND
4	+INPUT VOLTAGE: $5\text{V} \pm 5\%$
5	VOLTAGE MONITOR: 0 TO 2.048V
6	DISABLE = HI
7 & 8	NO CONNECTION

CASE IS CONNECTED TO GROUND INTERNALLY

NEXT ASSY	USED ON
APPLICATION	

INT	DATE
DWN DJS	6-28-05
CHK RVM	6-28-05
ENGR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:	
DECIMALS	ANGLES
.xx $\pm$.03	$\pm$
.xxx $\pm$.010	
DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING	

ITEM	QTY	PART NO.	DESCRIPTION
PARTS LIST			
EMCO HIGH VOLTAGE CORP. www.emcohighvoltage.com			
OUTLINE & SPECIFICATIONS MODEL 10077			
SIZE A	CAGE # 4T243	DWG# 10077	REV E1
SCALE NONE		SHEET 1 OF 1	