



COMPUTER
CONVERSIONS
CORPORATION

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DIGITAL to LVDT CONVERTER

MODEL: "ST-DLVT-A7853-1E"
MODEL SPECIFIC NOTE

DWG# A7853 REV-
SHEET 1 OF 1

NOTES:

1. DESCRIPTION : DIGITAL TO LVDT CONVERTER ON A TERMINALIZED -TRACK* PC CARD WITH PLASTIC MOUNTING TRACK.
2. DIGITAL INPUT DATA
TYPE : PARRALLEL BINARY , TTL LEVELS.
RESOLUTION : 14 BIT (1 PART IN 16,384) .
LATCH INPUT: EN(LDC) LOGIC "0" LOADS INPUT DATA TO THE CONVERTER.
3. REFERENCE INPUT
TYPE : 2 WIRE , TRANSFORMER ISLOATED
VOLTAGE : 6.0V RMS
FREQUENCY : 2950 HZ
IMPEDANCE : 20K OHMS MINIMUM
4. SIGNAL OUTPUT SEE DRAWING # A6032-39
TYPE : 3 WIRE LVDT FORMAT , TRANSFORMER ISLOATED
VOLTAGE : +/- 1.5594V L-L , 1.764V COMMON MODE
LOADING : 0.20 VA
5. ACCURACY : +/- .05% TYPICAL , .1% WORSE CASE .
6. POWER SUPPLY INPUTS
+5V @ 125ma TYPICAL
+15V @ 125ma TYPICAL
-15V @ 125ma TYPICAL
7. TEMPURATURE RANGE :
OPERATING : 0 to +70 DEGREES C
STORAGE : -55 to +125 DEGREES C
8. MECHANICAL :
8.00 "L x 3.20 "W x .70 " H PC CARD WITH OPTIONAL
8.00 "L x 3.375 "W PLASTIC MOUNTING TRACK.
SEE DRAWING # B7442