



GENERAL INFORMATION

Ekinler designed a family of linear variable differential transformers (LVDT). Our LVDTs are available in two varieties - basic and high temperature. The high temperature LVDTs have been installed on various engine platforms and are designed to withstand extreme temperature ranges.

FEATURES

Description	Linear Variable Differential Transformer
Housing Material	Stainless Steel
Termination	Lead Wires
Operating Temperature	-67 °F to 302 °F
Hermetic Seal	1 x 10e-6 atm cc/s
Approvals	DO-160G Standarts

ELECTRICAL INTERFACE

Input Voltage	between 1.2 - 7 VRMS Sine Wave
Input Frequency	between 2 - 10 kHz
Test Frequency	2050 ± 50 Hz
Input Impedance	200 Ω @2050 ± 50 Hz
Output Impedance	5 kΩ @2050 ± 50 Hz
Operating Range	±5.15 mm from neutral position
Output Voltage	0.5 VRMS to 1.5 VRMS
Null Position Voltage	max. ± 0.01 V/V (Ratiometric Output)
Linearity	min. 100 MΩ @500 VDC
Insulation Resistance	min. 100 MΩ @500 VDC