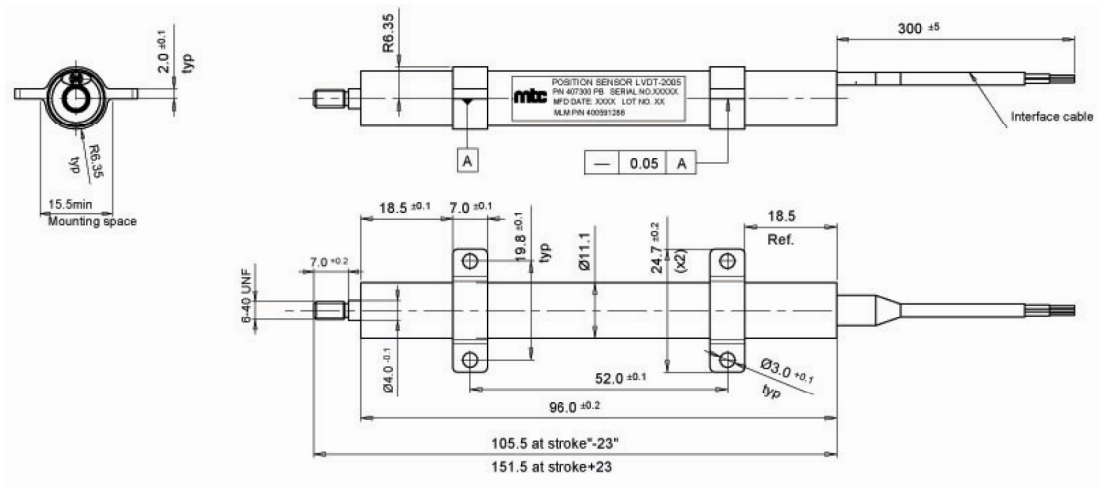
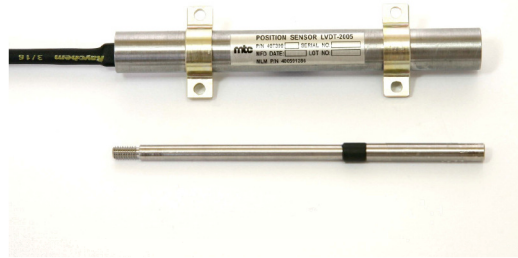


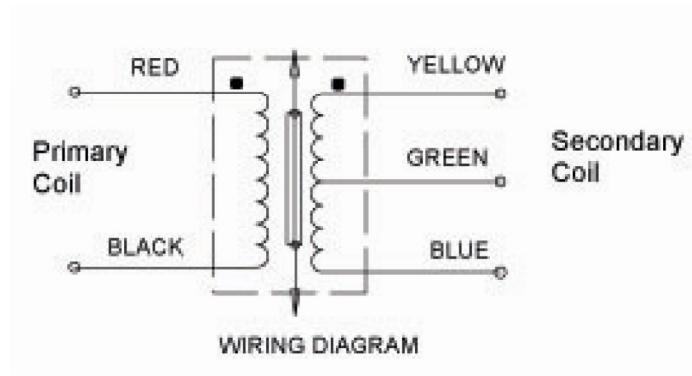
mtc LVDT-2005

Linear Variable Differential Transformer

The LVDT-2005 is a miniature electro-mechanical transducer, linearly converting position of an object, mechanically attached to it, to AC output. Particularly suitable for highly accurate measurements in harsh environmental conditions, such as vibration and high acceleration. Available with attachment accessory, off-the-shelf or according to customer specification. It was developed for avionics, but can serve in a variety of applications.



Wiring Diagram



Specification

Parameter	Unit	Value	Tolerance
Input Voltage	V rms	3	max
Input Frequency	kHz	5	nominal
Linear Measuring Range*	mm	± 22	± 5%
Maximum Core Velocity	mm/sec	200	± 10%
Resistance			
- primary	Ohm	320	10%
- secondary (each phase)	Ohm	155	10%
Resolution	mm	0.01	-
Accuracy	full scale	± 1%	-
Operating Temperature	°C	-15 - + 80	-
Outer Diameter	mm	11.1	- 0.05
Weight	gr.	60	± 5%
Lead wire : 28 AWC Teflon insulation, length definab le.			

* measuring range can be adapted to customer requirement