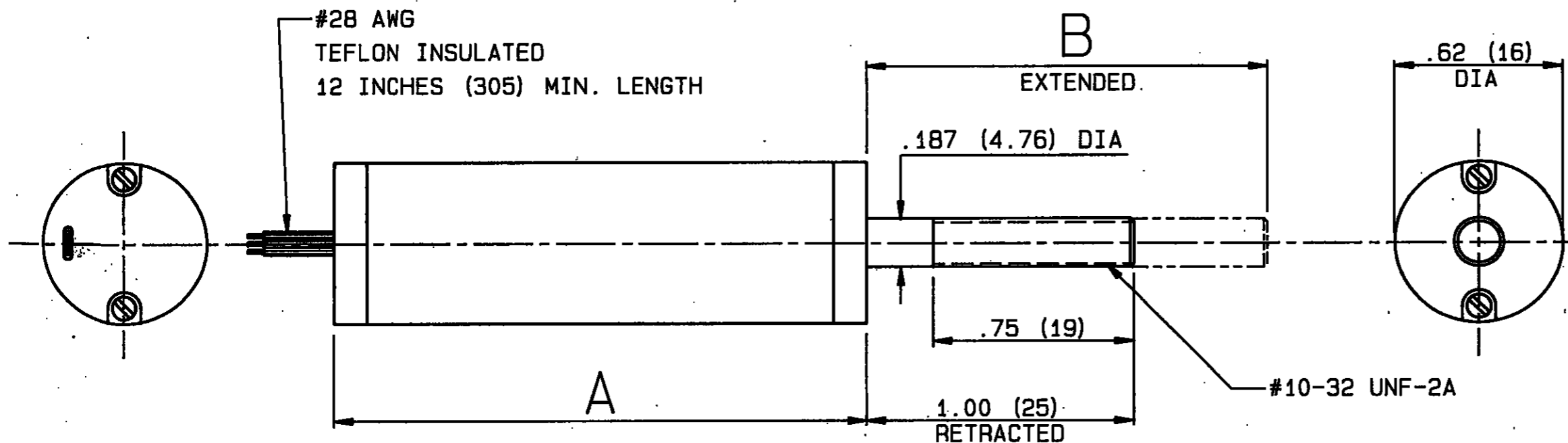


# 600 SERIES LINEAR MOTION POSITION TRANSDUCER



## ELECTRICAL SPECIFICATIONS

ELECTRICAL TRAVEL	-----	SEE TABLE
RESISTANCE RANGE	-----	SEE TABLE
RESISTANCE TOLERANCE	-----	±20%
INDEPENDENT LINEARITY	-----	SEE TABLE
POWER RATING @ 70°C	-----	0.25 WATTS
PER INCH OF ELECTRICAL TRAVEL		
DERATED TO 0 WATTS @ 125°C		
OUTPUT SMOOTHNESS	-----	0.1%
RESOLUTION	-----	INFINITE
INSULATION RESISTANCE @ 500 VDC	-----	1000 MEGOHMS
DIELECTRIC STRENGTH	-----	500 VRMS
TEMPERATURE RANGE	-----	-55° TO +125°C

## MECHANICAL SPECIFICATIONS

MECHANICAL TRAVEL	-----	ELECTRICAL TRAVEL
		+0.1 INCH MIN.
ACTUATION FORCE	-----	2 OZ. MAX.
REPEATABILITY	-----	WITHIN .0005 IN.
LIFE	-----	10 x 10 <sup>6</sup> CYCLES

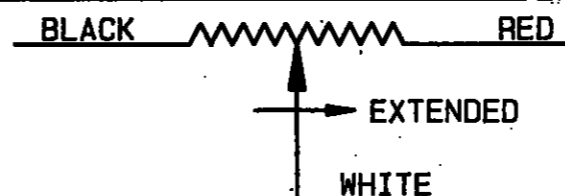
## NOTES:

1. DIMENSIONS ARE IN INCHES (mm). TOLERANCE: ±.03 (±.8)
2. AVAILABLE IN DUAL CONFIGURATION.
3. MOST SPECIFICATIONS MAY BE ALTERED TO MEET SPECIFIC REQUIREMENTS.
4. OTHER TRAVELS AVAILABLE.

612	12.0	0.08	12.00 (305)	13.50 (343)	13.10 (333)
610	10.0	0.09	10.00 (254)	11.50 (292)	11.10 (282)
606	6.0	0.12	6.00 (152)	7.50 (190)	7.10 (180)
604	4.0	0.15	4.00 (102)	5.50 (140)	5.10 (129)
603	3.0	0.25	3.00 (76)	4.50 (114)	4.10 (104)
602	2.0	0.35	2.00 (51)	3.50 (89)	3.10 (79)
601	1.0	0.70	1.00 (25)	2.50 (57)	2.10 (53)

MODEL	RESISTANCE K $\Omega$	LINEARITY ±%	ELECTRICAL TRAVEL [4]	A	B
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DIMENSIONS



SCHEMATIC



**DUNCAN electronics, Inc.**  
COSTA MESA, CALIFORNIA

DWG. NAME  
**OUTLINE  
600 SERIES**

DWG. NO.  
**600-50**

REV.  
**C**

REL. DATE  
**4-28-88**

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