

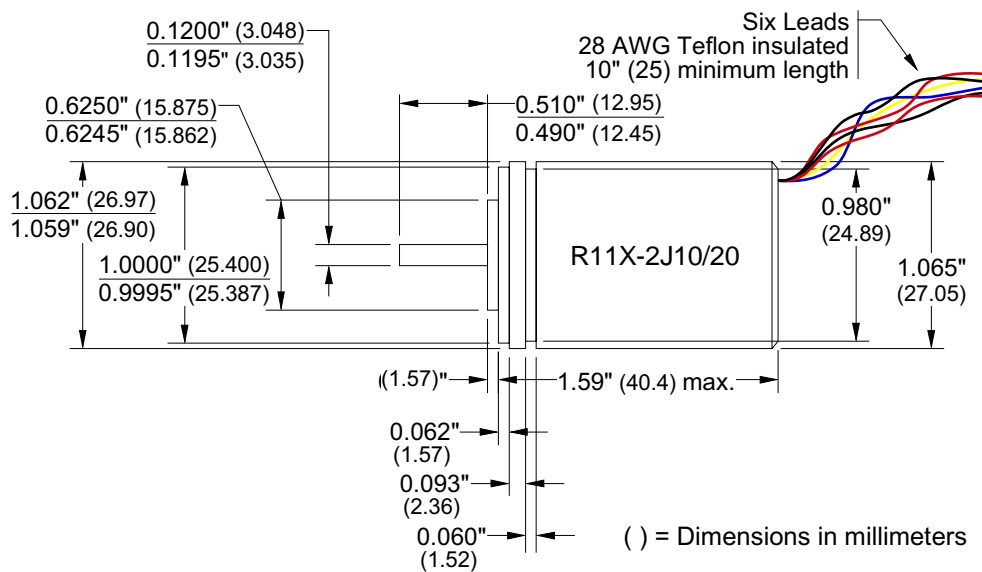
## R11X-2J10/20 *Specification Sheet*

SHEET # 940-2T870

### DESCRIPTION

Designed for reliable operation in demanding environments, the two-speed R11X-2J10/20 can be used in a wide range of space critical applications where environmental sealing is not needed. The electrical outputs of the R11X-2J10/20 complete two sinusoidal cycles for every turn of the input shaft. Therefore, this resolver gives an absolute position output every 180°, not every 360° as a standard one-speed resolver does. These resolvers are still ratiometric and being so, any changes in the resolvers characteristics, such as those caused by aging, frequency, voltage or a change in temperature are ignored. Due to the small shaft size a flexible coupler must be used when connecting the resolver to your machinery.

### DIMENSIONAL DRAWING



### SPECIFICATIONS

Input Voltage: 7.0 V  
 Input Freq: 5000 Hz  
 Primary: Rotor  
 Output Voltage: 6.65 V Nom.  
 Speed: 2 (Outputs cycle every 180°)  
 Trans. Ratio: 0.95 ± 5%  
 Input Current: 22.0 mA Max.  
 Input Power: 95mW Max.  
 Zro (Ω): 200 + j235  
 Zrs (Ω): 160 + j192  
 Zso (Ω): 480 + j1980  
 Zss (Ω): 480 + j1950  
 DC Rotor Res.: 16 Ω  
 DC Stator Res.: 61 Ω  
 Accuracy: ±20 min. (max. error)  
 Weight: 115g (4.0 oz)  
 Rotor Moment: 0.51X10<sup>-4</sup> oz-in-sec<sup>2</sup>  
 IP Rating: IP40

### Sample Installation

The picture below shows how to connect a R11X-2J10/20 to AMCI's standard cable. Connection to the AMCI Controller follows published cable prints.

