

# R11BRW300E1

SIZE 11 BRUSHLESS RESOLVER WITH SHAFT

**MICRONOR**  
automation components

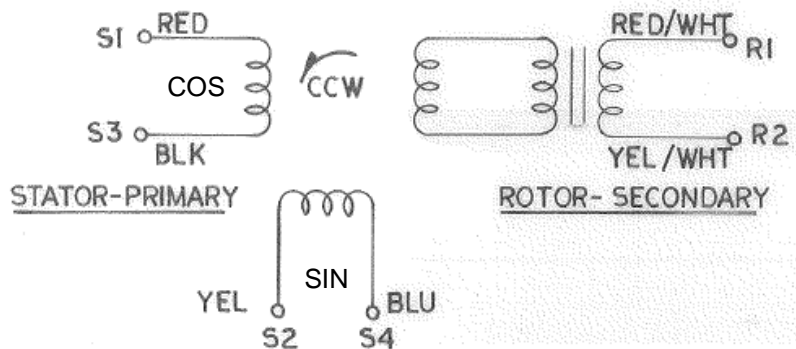
Products

R11BRW300E1 is a Size 11, Control Transformer-type Brushless Resolver. It is a single speed resolver, optimized for 400 Hz operation, TR=1.0 and  $\pm 7$  arcmin (0.12°) accuracy.



Diagram

Lead Color	Function
Red/White	Rotor 1
Yellow/White	Rotor 2
Red	Stator 1
Yellow	Stator 2
Black	Stator 3
Blue	Stator 4



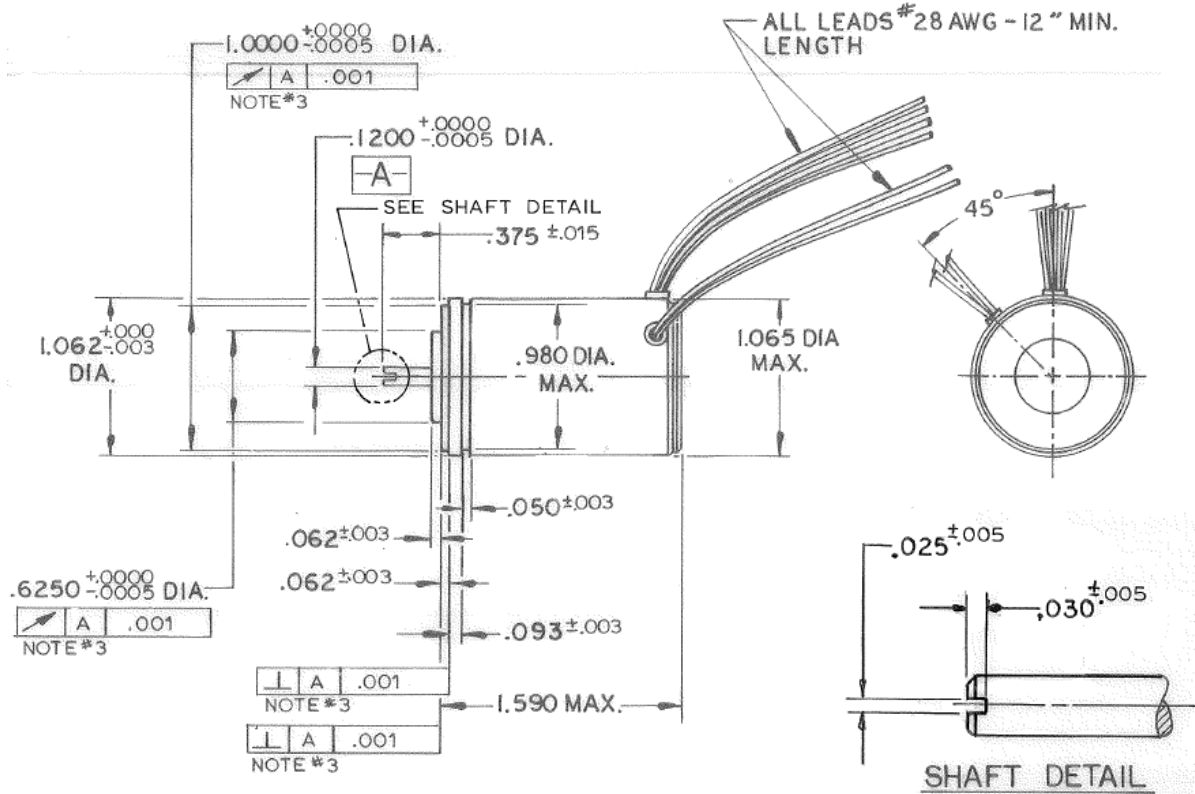
Specifications

Specifications Subject To Change Without Notice

Parameters measured at 25 °C

Speed	1
Excitation Frequency	400 Hz
Transformation Ratio (TR)	1.00 $\pm$ 5%
Input Voltage and Frequency	12.0V, 400 Hz
Input Current	10.9mA max.
Input Power	40mW nom.
Output Voltage	12.0V
Impedances (Ohms)	
ZRO	1240 +j1855
ZRS	1185 + j550
ZSO	500 + j1250
ZSS	625 + j450
Phase Shift (Degree Leading)	12° max.
DC Rotor Resistance (Ohms)	302 $\Omega$
DC Stator Resistance (Ohms)	197 $\Omega$
Total Null Voltage (mV)	30mV
Accuracy Max Error (at 25°C)	$\pm 7$ arcmin (0.117°)
Shaft Loading (Max.)	6 lbs. radial / 3 lbs. axial
Starting Torque	0.3 oz-in @ 25°C
Moment of Inertia	3.6 Gm-Cm <sup>2</sup>
Weight	150 g max. (3.5 oz)
Operating Temperature	-55°C to +125°C
Environmental Rating	IP40

Reference Drawing



Ordering Info

Micronor P/N R11BRW300E1

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