

R11XE107

SIZE 11 BRUSHLESS RESOLVER WITH SHAFT

MICRONOR

automation components

Products

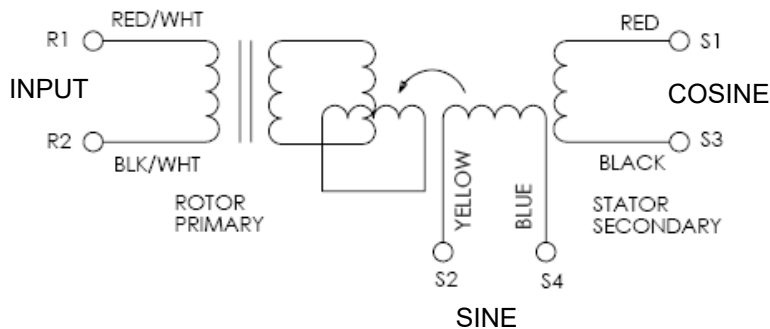
R11XE107 is a Size 11, Control Transmitter-type Brushless Resolver equivalent to Harowe 11BRCX-300- E series. It is also a possible replacement for Micron 73-206-879 and Moog/Clifton 11BHW-50F/F533.

It is a single speed resolver, optimized for 2500Hz operation, TR=0.98 and ± 7 arcmin (0.12°) accuracy.



Diagram

Lead Color	Function
Red/White	Rotor 1
Black/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	2500 Hz $\pm 5\%$
Transformation Ratio (TR)	0.98 $\pm 5\%$
Input Voltage and Frequency	9.0V, 2500 Hz
Input Current	6.0mA max.
Input Power	30mW max.
Output Voltage	6.65V
Impedances (Ohms)	
ZRO	880 + j995
ZRS	460 + j700
ZSO	1660 + j2480
ZSS	740 + j1470
Phase Shift (Degree Leading)	-2°
DC Rotor Resistance (Ohms)	60 Ω
DC Stator Resistance (Ohms)	200 Ω
Total Null Voltage (mV)	15
Accuracy Max Error (at 25°C)	± 7 arcmin (0.117°)
Shaft Loading (Max.)	2 lbs. radial / 1 lbs. axial
Starting Torque	0.08 oz-in
Moment of Inertia	0.51×10^{-4} oz-in-sec ²
Starting Torque	0.08 oz-in
Operating Temperature	-40°C to +125°C

Ordering Info



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- MICRON Replacement Position Transducers Data Sheet

Pumpwerkstrasse 32
CH-8105 Regensdorf
Switzerland
+41-44-843-4020
sales@micronor.ch
www.micronor.com