

R11W2F107

SIZE 11 BRUSHLESS RESOLVER WITH SHAFT

MICRONOR

automation components

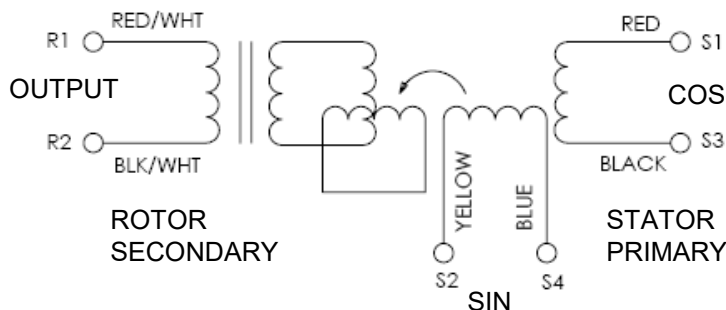
Products

R11W2F107 is a Size 11, Control Transformer-type 2-sSeed Brushless Resolver equivalent to Micron 73-205-196 and Harowe 11BRCT-300-F series. It is a dual speed resolver, optimized for 2500 Hz excitation, TR=0.5 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



Phasing Equation:

$$E(R1-R2) = K * [E(S1-S3) \cos 2\theta + E(S2-S4) \sin 2\theta]$$

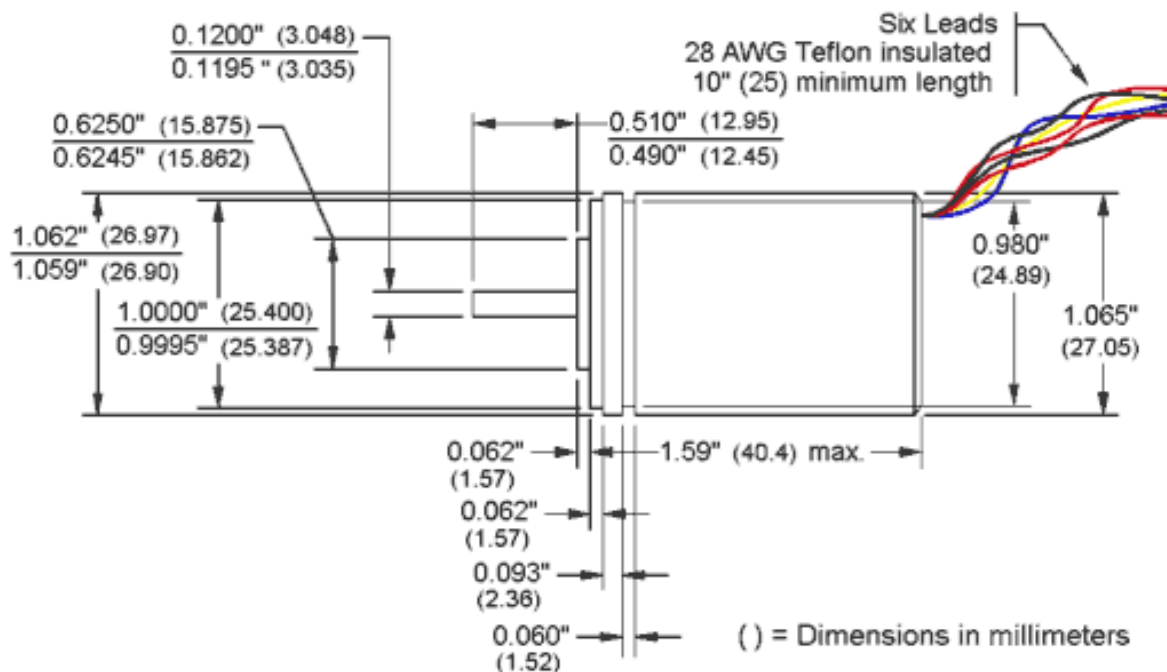
Specifications

Specifications Subject To Change Without Notice

Parameters measured at 25 °C

Speed	2
Excitation Frequency	2500 Hz $\pm 5\%$
Transformation Ratio (TR)	0.5 $\pm 5\%$
Input Voltage and Frequency	12.0 V, 2500 Hz
Input Current	15 mA max.
Input Power	80 mW max.
Output Voltage	6.0 V
Impedances (Ohms)	
ZRO	720 + j1130
ZRS	530 + j820
ZSO	540 + j1400
ZSS	400 + j1020
Phase Shift (Degree Leading)	-4°
DC Rotor Resistance (Ohms)	84 Ω
DC Stator Resistance (Ohms)	125 Ω
Total Null Voltage (mV)	15 mV
Accuracy Max Error (at 25°C)	± 7 arcmin (0.12°)

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
Operating Temperature	-40°C to +125°C



For Thomson Micron replacements, order:
R11W2F107

Related Items:

- R11BHW50FF533 replaces Micron 73-206-879 / Clifton 11-BHW-50F/F533B
- R11XJ107 replaces Micron 73-206-879 / Harowe 11BRCX-300-J95C
- R11WF103 replaces Micron 73-202-730 / Harowe 11BRCT-300-F95A

For additional technical information, contact Micronor and request:

- MICRON Replacement Position Transducers Data Sheet

MICRONOR INC.

900 Calle Plano, Suite K
Camarillo, CA 93012
USA

T +1-805-389-6600

F +1-805-389-6605

sales@micronor.com

www.micronor.com

MICRONOR AG

Pumpwerkstrasse 32
CH-8105 Regensdorf
Switzerland

T +41-44-843-4020

F +41-44-843-4039

sales@micronor.ch

www.micronor.com