

R11BHW48SVF639

SIZE 11 BRUSHLESS RESOLVER WITH SHAFT

MICRONOR
automation components

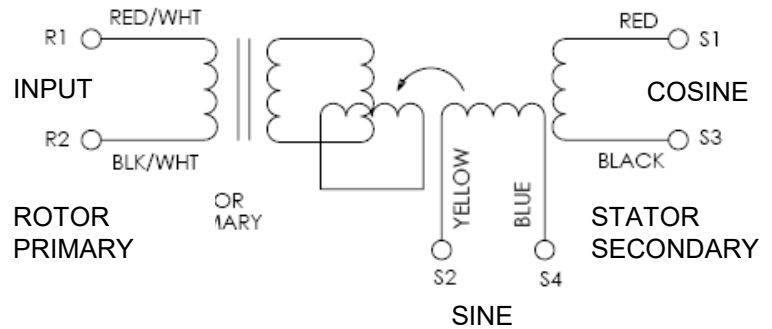
Products

R11BHW48SVF636 is a Size 11, Control Transmitter-type Brushless Resolver equivalent to Micron 73-208-808-9 and Moog/Clifton 11-BHW-48SV/F639. It is a single speed resolver, optimized for 4000 Hz excitation, TR=0.50 and ± 3 arcmin (0.05°) 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

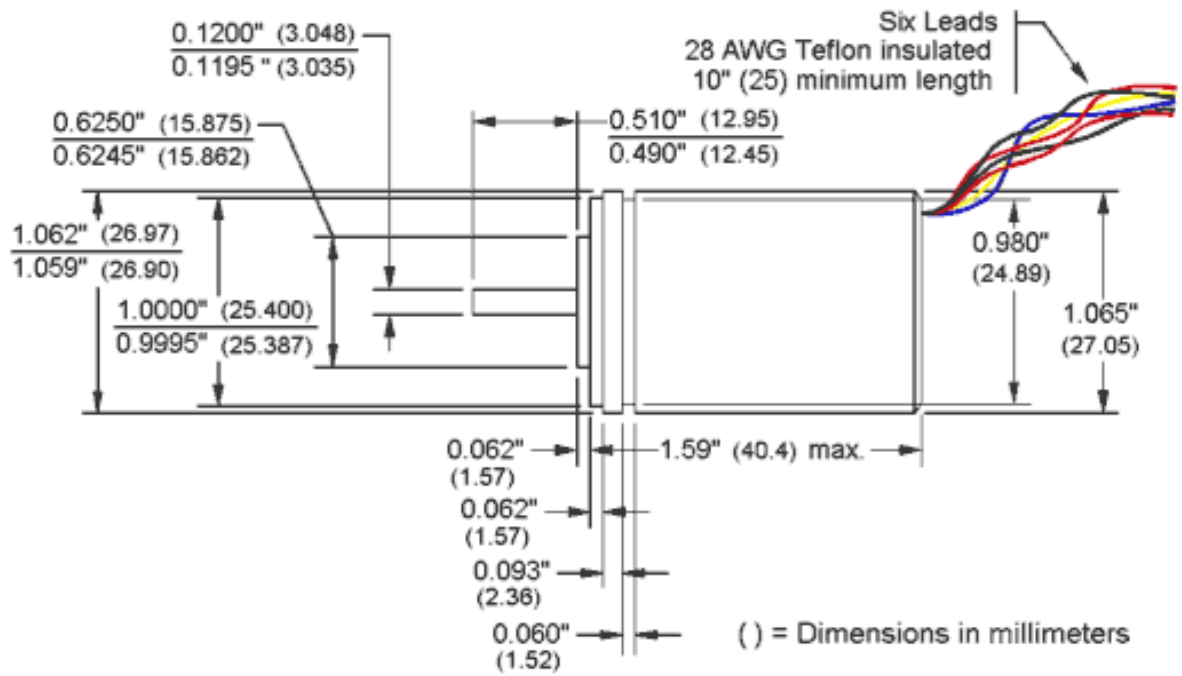


Specifications

Specifications Subject To Change Without Notice

Parameters measured at 25 °C

Speed	1
Excitation Frequency	4000 Hz $\pm 5\%$
Transformation Ratio (TR)	0.50 $\pm 5\%$
Input Voltage and Frequency	6.5V, 4000 Hz
Input Current	13.6mA max.
Input Power	53.6mW max.
Output Voltage	3.25V
Impedances (Ohms)	
ZRO	289 +j379
ZRSS	—
ZSO	121 + j214
ZSRS	50.5 + j135628
Phase Shift (Degree Leading)	-1.6°
DC Rotor Resistance (Ohms)	18.3 Ω
DC Stator Resistance (Ohms)	6.5 Ω
Total Null Voltage (mV)	30mV
Accuracy Max Error (at 25°C)	± 3 arcmin (0.05°)
Shaft Loading (Max.)	2 lbs. radial / 1 lbs. axial
Moment of Inertia	3.3 g-cm ²
Operating Temperature	-55°C to +125°C



For Thomson Micron replacements, order:
R11BHW48SVF639

Related Items:

- R11BHW50FF533 replaces Micron 73-206-879 / Clifton 11-BHW-50F/F533
- R11WF103 replaces Micron 73-202-730 / Harowe 11BRW-300-F95A
- R11XJ107 replaces Micron 73-206-879 / Harowe 11BRCX-300-J95C

For additional technical information, contact Micronor and request:

- MICRON Replacement Position Transducers Data Sheet

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