

R11X-J12/7 Specification Sheet

SPECIFICATIONS

Electrical:

Input Voltage: 7.0 V
 Input Freq: 5000 Hz
 Primary: Rotor
 Input Current: 23.0 mA max.
 Input Power: 90 mW max.
 Output Voltage: 6.65 V nom.
 Trans. Ratio: $0.95 \pm 5\%$
 $Z_{ro} (\Omega)$: $240 + j245$
 $Z_{rs} (\Omega)$: $110 + j173$
 $Z_{so} (\Omega)$: $412 + j590$
 $Z_{ss} (\Omega)$: $170 + j394$
 DC Rotor Res.: 16Ω
 DC Stator Res.: 41Ω
 Phase Shift: -6° leading max.
 Null Voltage: 15 mV total max.
 Accuracy: ± 7 min. max.

Mechanical:

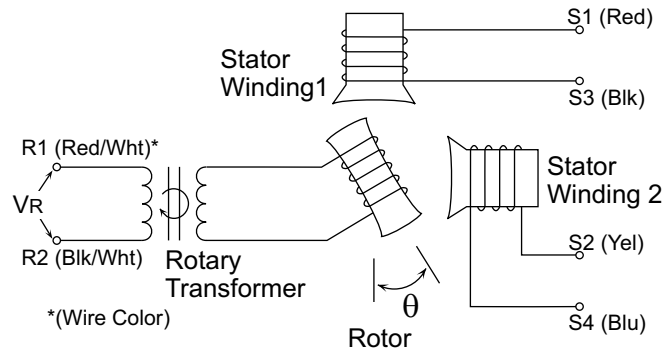
Shaft Load: 6 lbs. radial[†]
 3 lbs. axial[†]
 Starting Torque: 0.08 oz-in @ 25°C
 Rotor Moment: 0.51×10^{-4} oz-in-sec²
 Weight: 115g (4.04 oz)
 Enviro. Rating: IP40 / NEMA 1

[†] At the recommended maximum loads, average bearing life is 2×10^9 revolutions. (L10 rating)

Environmental:

Operating Temperature: -40°C to $+125^\circ\text{C}$
 -40°F to $+257^\circ\text{F}$
 Shock: 50 g's for 11 ms
 Vibration: 15 g's to 2000 Hz

SCHEMATIC



SAMPLE INSTALLATION

The picture below shows how to connect a R11X-J12/7 to AMCI's standard cable.

