



## B & R Automation - 80M Stepper Motors

### 80MPF5.500S114-01



 [Request a Quote](#)

- ✓ Get a Quote in 5 minutes
- ✓ Parts ship in as little as 24 hours
- ✓ Up to half the cost of the manufacturer



Secure Online  
Checkout



Free Ground  
Shipping



One Year  
Warranty

The **80MPF5.500S114-01** is a part of the **80M Stepper Motors Series** by **B & R Automation**.

## Specifications

**Average Time Between Failures:** 21,000 hours

**Encoder Max Output Current:** ~10 mA per channel

**Encoder Supply Voltage:** 18-30 VDC

**Maximum Surface Temperature:** 95°C

**Phase Resistance:** 2.4 ? (series) / 0.6 ? (parallel)

**Stepping Angle:** 1.8°

**Detent Torque:**

**Encoder Output:**

**Encoder Type:**  
**Operating Temperature:**

**Rotor Inertia:**

**Storage Temperature:**

<35 mNm (series)  
/ <75 mNm (parallel)  
Push/Pull with short-circuit protection  
ABR incremental 3-channel

-20°C to 40°C

920 g·cm<sup>2</sup>

-30°C to 85°C

**Electrical Current:**

**Encoder Resolution:**

**Holding Torque:**

**Phase Inductance:**

**Stall Torque:**

**Last Verified:**

2.5 A (series) / 5 A (parallel)

1024 increments / 256 positions


3.5 Nm

11.2 mH (series) / 2.8 mH (parallel)

2.5 Nm

08/12/2025  
8:00 PM

## Contact Us

 1620 Old Apex Road, Cary, NC 27513, USA

 Toll Free: [1-888-551-3082](tel:1-888-551-3082)

 International: [1-919-443-0207](tel:1-919-443-0207)

 Fax: [1-919-867-6204](tel:1-919-867-6204)

 Email: [sales@automation-factory.com](mailto:sales@automation-factory.com)

## Shipping Options



## Payment Methods



Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.