**3.5 W Gearbox Integrated Motor**



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| Basic Motor Parameters |
| Rated Power | W | 3.5 |
| Rated Speed | rpm | 900 |
| Rated Torque | Nm | 0.037 |
| Rated Current | A | 0.50 |
| Rated Voltage | V | 12 |
| No-Load Speed | rpm | 1738 |
| Max. Efficiency | % | 70 |
| Electrical Parameters |
| Number of Phases |  | 3 |
| Number of Poles |  | 6 |
| Torque Constant (KT) | Nm/A | 0.063 |
| Back EMF Constant (KE) | Vs/rad | 0.064 |
| Terminal Resistance Phase to Phase (±%10) | mΩ | 8.32 |
| Terminal Inductance Phase to Phase (±%30) | mH | 3.8 |
| Thermal Data |
| Ambient Temperature | °C | -40...+85 |
| Max. Winding Temperature | °C | +155 |
| Physical Parameters |
| Outer Diameter | mm | 22 |
| Shaft Diameter | mm | 5 |
| Max. Lenght | mm | ~119 |
| Weight | gr | ~193 |
| Motor Connection |
| U | RED CABLE |
| V | WHITE CABLE |
| W | BLACK CABLE |
| Sensor Connection |
| 1 | VDC+ |
| 2 | GND |
| 8 | CLK- |
| 9 | CLK+ |
| 10 | DATA- |
| 11 | DATA+ |
| Connector Articles |
| Power | 0.24MM^2 cable |
| Signal | Molex 501330-1100    |