**49W Frameless BLDC Motor**



|  |
| --- |
| Basic Motor Parameters |
| Rated Power | W | 49 |
| Rated Speed | rpm | 7300 |
| Rated Torque | Nm | 0.065 |
| Rated Current | A | 5.5 |
| Rated Voltage | V | 12 |
| No-Load Speed | rpm | 10500 |
| Max. Efficiency | % | 90 |
| Electrical Parameters |
| Number of Phases |  | 3 |
| Number of Poles |  | 14 |
| Torque Constant (KT) | Nm/A | 0.0118 |
| Back EMF Constant (KE) | Vs/rad | 0.0109 |
| Terminal Resistance Phase to Phase (±%10) | mΩ | 375 |
| Terminal Inductance Phase to Phase (±%30) | mH | 85 |
| Thermal Data |
| Ambient Temperature | °C | -40...+85 |
| Max. Winding Temperature | °C | +155 |
| Physical Parameters |
| Outer Diameter | mm | 25 |
| Shaft Diameter | mm | N/A |
| Max. Lenght | mm | 17.5 |
| Weight | gr | 30 |
| Motor Connection |
| U | A |
| V | B |
| W | C |
| Sensor Connection |
| N/A | N/A |
| Connector Articles |
| Power | N/A |
| Signal | N/A |