**200 W High-Speed BLDC Motor**



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| Basic Motor Parameters |
| Rated Power | W | 200 |
| Rated Speed | rpm | 20000 |
| Rated Torque | Nm | 0,07 |
| Rated Current | A | 20 |
| Rated Voltage | V | 12 |
| No-Load Speed | rpm | 22000 |
| Max. Efficiency | % | 90 |
| Electrical Parameters |
| Number of Phases |  | 3 |
| Number of Poles |  | 8 |
| Torque Constant (KT) | Nm/A | 0.0034m |
| Back EMF Constant (KE) | Vs/rad | 0.0038 |
| Terminal Resistance Phase to Phase (±%10) | mΩ | 10 |
| Terminal Inductance Phase to Phase (±%30) | mH | 7.5 |
| Thermal Data |
| Ambient Temperature | °C | -40...+85 |
| Max. Winding Temperature | °C | +155 |
| Physical Parameters |
| Outer Diameter | mm | 60x60 (Square) |
| Shaft Diameter | mm | 7 |
| Max. Lenght | mm | 118 |
| Weight | gr | 750 |
| Motor Connection |
| U | Black Cable |
| V | White Cable |
| W | Red Cable |
| Sensor Connection |
| N/A | N/A |
| Connector Articles |
| Power | N/A |
| Signal | N/A |