

BLDC Motor Speed Driver

This is a 2-quadrant speed driver designed for BLDC motors. It features analog and PWM control methods and is compatible with TTL input signals.



Overview

High-Performance 2-Quadrant BLDC Driver

This series of 2-Quadrant speed drivers is specifically designed for 3-phase brushless DC motors, offering precise control through Analog or PWM signals. With a compact form factor and support for wide voltage ranges, these drivers are ideal for industrial applications requiring reliable speed regulation. The units feature adjustable speed raising times and high chopping frequencies to ensure smooth motor operation and efficiency.

Performance Metrics

Key Performance Metrics

3

Phases

12 KHz

Min Chopping Freq

50 °C

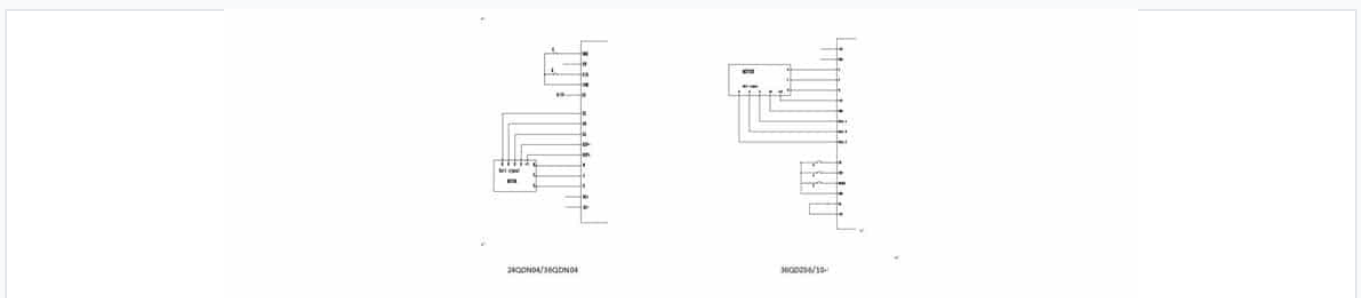
Max Operating Temp

Model Comparison

Technical Specifications by Model

Model	Voltage (V)	Max Cont. Current (A)	Dimensions (mm)	Weight (kg)
24QDN04	12-30	3.6	96X60X25	0.125
36QDN04	24-40	3.6	96X60X25	0.125
36QDZ06	10-38	6	86X65X20	0.16
36QDZ10	10-38	10	100X68X19	0.116

Control & Signal



Detailed wiring diagrams for 24QDN04, 36QDN04, and 36QDZ series showing power and control signal interfaces.

Control Method Analog, PWM, TTL Compatible

Speed Raising Time 0.5 - 10 seconds

Operation Environment

Operating Conditions

- Temperature: 0°C to +50°C
- Humidity: 40% to 89% RH

Features

Integrated Protections

Overcurrent Protection • Thermal Overload Protection • Direction Control