

LW3D3070N0A1-00 Cut Sheet



Ever Motion Solutions DC open loop advanced microstepping stepper drive, 10A per phase, 2-phase output, 24-80 VDC, bipolar, position mode, 200 to 51200 steps per revolution.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/LW3D3070N0A1-00>

Technical Specifications

Brand	Ever Motion Solutions
Item	Stepper drive
Stepper Drive Type	Open loop
Controller Type	Advanced microstepping
Voltage Type	DC
Amperage Rating	10A per phase
Number of Output Phases	2
Nominal Input Voltage	24-80 VDC
Winding Type Control	Bipolar
Output Type	MOSFET, dual H-bridge and bipolar chopper output
Current Control	4-state PWM at 40 kHz
Steps per Revolution	200 to 51200
Encoder Output	No
Temperature Rating	5 to 40 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	Panel
Control Mode	Position
Command Signal(s)	<ul style="list-style-type: none">• step and direction• CW/CCW

Stall Detection	Yes
Number of Discrete Input Points	2
Discrete Input Type	Sinking/sourcing/line driver (differential)
Number of Discrete Output Points	1
Discrete Output Type	Sinking/sourcing
Tuning Mode	Pre-tuned
Idle Current Reduction	Yes
Drive Features	Sinusoidal current control (quiet operation), anti-resonance (electronic damping), auto motor matching (self-configuration) and auto-tuning
Protection Type(s)	<ul style="list-style-type: none">• overvoltage• undervoltage• short circuit• overcurrent• motor phase wiring error• motor overload• over-temperature
Configuration	Dipswitch

Agency Approvals

UL Listed File #	None
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Meets RoHS Chemical Restrictions - No CE (See RoHS Statement Below)
EU REACH	View EU REACH document
Other	RoHS Statement

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/LW3D3070N0A1-00.pdf>
See store item page for other formats.