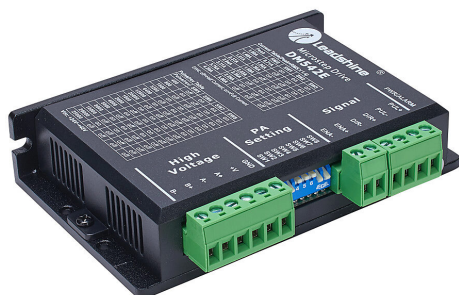


# DM542E Cut Sheet



Leadshine DC microstepping stepper drive, 4.2A per phase, 2-phase output, 24-48 VDC, bipolar, position mode, 400 to 25600 steps per revolution.

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



<https://www.automationdirect.com/pn/DM542E>

## Technical Specifications

Brand	Leadshine
Item	Stepper drive
Controller Type	Microstepping
Voltage Type	DC
Amperage Rating	4.2A per phase
Number of Output Phases	2
Nominal Input Voltage	24-48 VDC
Winding Type Control	Bipolar
Output Type	MOSFET, dual H-bridge and 4-quadrant output
Steps per Revolution	400 to 25600
Temperature Rating	0 to 65 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	Panel
Control Mode	Position

Command Signal(s)	<ul style="list-style-type: none"><li>• step and direction</li><li>• CW/CCW</li></ul>
Number of Discrete Input Points	1
Discrete Input Type	Sinking/sourcing/line driver (differential)
Number of Discrete Output Points	2
Tuning Mode	Pre-tuned
Idle Current Reduction	Yes
Drive Features	Anti-resonance (electronic damping) and auto motor matching (self-configuration)
Protection Type(s)	<ul style="list-style-type: none"><li>• overvoltage</li><li>• overcurrent</li><li>• motor phase wiring error</li></ul>
Configuration	Rotary dial, dipswitches or jumpers

## Agency Approvals

UL Listed File #	None
UL Recognized File #	None
UL Hazardous File #	None
CE	None
CSA File #	None
RoHS Status	Meets RoHS Chemical Restrictions - No CE (See RoHS Statement Below)
EU REACH	<a href="#">View EU REACH document</a>
Other	<a href="#">RoHS 3 Document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/DM542E.pdf>  
See store item page for other formats.