

# TRD-MX500VD Cut Sheet



Koyo TRD-MX series incremental (quadrature) rotary encoder, light duty, 5 VDC, axial exit, line driver (differential) output, 500 ppr, 4mm solid shaft, 1in diameter body, IP50, 6.5ft/2m cable length, pigtail.

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



<https://www.automationdirect.com/pn/TRD-MX500VD>

## Technical Specifications

<b>Brand</b>	Koyo
<b>Item</b>	Encoder
<b>Series</b>	TRD-MX
<b>Feedback Type</b>	Incremental (quadrature)
<b>Encoder Type</b>	Rotary
<b>Duty Rating</b>	Light duty
<b>Voltage Rating</b>	5 VDC
<b>Exit Orientation</b>	Axial
<b>Encoder Output Type</b>	Line driver (differential)
<b>Encoder Resolution</b>	500 ppr
<b>Shaft Type</b>	Solid
<b>Shaft Diameter</b>	4mm
<b>Radial Shaft Load</b>	10N

<b>Axial Shaft Load</b>	5N
<b>Frequency Response</b>	100 kHz
<b>Speed Rating</b>	6000rpm
<b>Flange Mount</b>	No
<b>Encoder Body Diameter</b>	1in
<b>Housing Material</b>	Aluminum
<b>IP Rating</b>	IP50
<b>Cable Length</b>	6.5ft/2m
<b>Cable Diameter Size</b>	5mm
<b>Wire Size</b>	26 AWG
<b>Connector Type</b>	Pigtail
<b>Includes</b>	Mounting hardware

## Agency Approvals

<b>UL Listed File #</b>	E189395
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/TRD-MX500VD.pdf>  
See store item page for other formats.