

# TRDA25RN500VWDMS Cut Sheet



Koyo TRDA-25 series incremental (quadrature) rotary encoder, medium duty, 5 VDC, radial exit, line driver (differential) output, 500 ppr, 3/8in solid shaft, flange mount, 2in diameter body, IP65, 10-pin Military Style (MS) connector.

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



<https://www.automationdirect.com/pn/TRDA25RN500VWDMS>

## Technical Specifications

|                            |                            |
|----------------------------|----------------------------|
| <b>Brand</b>               | Koyo                       |
| <b>Item</b>                | Encoder                    |
| <b>Series</b>              | TRDA-25                    |
| <b>Feedback Type</b>       | Incremental (quadrature)   |
| <b>Encoder Type</b>        | Rotary                     |
| <b>Duty Rating</b>         | Medium duty                |
| <b>Voltage Rating</b>      | 5 VDC                      |
| <b>Exit Orientation</b>    | Radial                     |
| <b>Encoder Output Type</b> | Line driver (differential) |
| <b>Encoder Resolution</b>  | 500 ppr                    |
| <b>Shaft Type</b>          | Solid                      |

|                              |                                      |
|------------------------------|--------------------------------------|
| <b>Shaft Diameter</b>        | 3/8in                                |
| <b>Radial Shaft Load</b>     | 50N                                  |
| <b>Axial Shaft Load</b>      | 30N                                  |
| <b>Frequency Response</b>    | 200 kHz                              |
| <b>Speed Rating</b>          | 3000rpm                              |
| <b>Flange Mount</b>          | Yes                                  |
| <b>Encoder Body Diameter</b> | 2in                                  |
| <b>Housing Material</b>      | Aluminum                             |
| <b>IP Rating</b>             | IP65                                 |
| <b>Connector Type</b>        | 10-pin Military Style (MS) connector |

## 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>          | No                                     |
| <b>EU REACH</b>             | <a href="#">View EU REACH document</a> |

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/TRDA25RN500VWDMS.pdf>  
See store item page for other formats.