

PRODUCT SPECIFICATION

YZE4413A25MTD5VG15

Overview

YZE44 series 25 bit electronic multi-turn absolute encoder.

Phase array technology, high response speed up to 500 kHz and a large photoelectric gap for a longer service life.

Technical parameters

Resolution: 8388608 (23 bit) / 33554432 (25 bit)

Multi-turn resolution: 65536 (16 bit)

Absolute positioning accuracy: < 30 arc seconds

Repetition positioning accuracy: < 1 arc second

Communication: Tamagawa RS485, baud rate 2.5 MHz

Speed: up to 6000 rpm

Shaft: taper 9 mm 1:10 or 8 mm straight

Moment of inertia: 0.68 kg mm²

Shock: 980 m/s², 11 ms, three axes

Vibration: 10 to 55 Hz, 1.5 mm amplitude

Temperature: -20 C to +105 C

Protection: IP40

Ordering rule

YZE | 44 outer dia. | bore | version | bits | M multi-turn |

interface | leaf spring | supply voltage | cable length