

PRODUCT SPECIFICATION

YMS3509A17MSC5V

Overview

YMS35 series 17 bit absolute magnetic encoder with 35 mm and 44 mm flange options, E2PROM and fast instruction response.

Technical parameters

Resolution: 17 bit (131072)

Multi-turn resolution: 65536 (16 bit)

Communication: Tamagawa RS485, baud rate 2.5 Mbps

Operating current: 27 mA typical

Differential output: high level > 3.5 V, low level < 1.7 V

Transition time: < 100 ns

Insulation resistance: > 50 Mohm

Speed: up to 6000 rpm

Moment of inertia: 0.72 kg mm²

Supply voltage: 4.75 V to 5.25 V (5 V typical)

Temperature: -20 C to +105 C

Protection: IP40