

Development of Compact, High-Torque Stepping Motor

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1. Introduction

The need for smaller components in the control devices used in the factory automation (FA) and office automation (OA) markets is increasing as the equipment to be controlled is rapidly downsized.

Sanyo Denki is receiving the reputation of high reliability as the pioneer of stepping motor by supplying the high quality, high performance stepping motors to users of various applications. Sanyo Denki is developing wide range of stepping motors in response to changing market needs. As increasingly smaller motors are required, we have developed a new compact stepping motor, "PENTASYN," which is a five-phase stepping motor of either 28 mm sq. or 42 mm sq. housing.

2. Background of Development

3. Features of Small-size

"PENTASYN"

3.1 High Speed, High Torque

Characteristics

3.2 Internal Structure

3.3 Connection Without Lead Wires

4. Conclusion

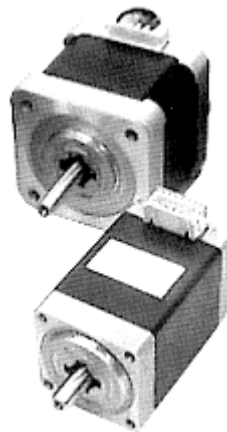


Fig. 1 Outside view of the small-size stepping motors "PENTASYN"

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Technical Report No.2

Nov. 1996