

PRODUCT DATASHEET

ES-PG-C36-S005-V005

Precision Transmission Component

Ultra-Precision Planetary Gearboxes | Ultra-Precision Planetary Gearbox Series - ES-PG-C36-S005

Product Overview

Precision Transmission Component with maximum Input Speed 6000 rpm, frame Size 64 mm and weight 1.9 kg.

Key Specifications

| PARAMETER                    | VALUE   | UNIT  |
|------------------------------|---------|-------|
| Maximum Input Speed          | 6000    | rpm   |
| Frame Size                   | 64      | mm    |
| Weight                       | 1.9     | kg    |
| Compatible Servo Motor Power | 400     | W     |
| Motor Adapter Interface      | T1      |       |
| Rated Output Torque          | 40 / 48 | N·m   |
| Number of Reduction Stages   | 2       |       |
| A-Weighted Noise Level       | 63      | dB(A) |
| Maximum Bending Moment       | 120     | N·m   |

## Technical Specifications

| PARAMETER                    | SPECIFICATION | UNIT       | NOTES                                      |
|------------------------------|---------------|------------|--------------------------------------------|
| PERFORMANCE                  |               |            |                                            |
| Rated Output Torque          | 40 / 48       | N·m        | Reduction Ratio: 100 / Reduction Ratio: 40 |
| Rated Input Speed            | 3000          | rpm        | Reduction Ratio: 3 200                     |
| Torsional Rigidity           | 13            | N·m/arcmin | Reduction Ratio: 3 200                     |
| Permissible Axial Load       | 1050          | N          | Reduction Ratio: 3 200                     |
| Maximum Bending Moment       | 120           | N·m        | Reduction Ratio: 3 200                     |
| MECHANICAL                   |               |            |                                            |
| Frame Size                   | 64            | mm         |                                            |
| Weight                       | 1.9           | kg         | Reduction Ratio: 25 200                    |
| ENVIRONMENTAL                |               |            |                                            |
| A-Weighted Noise Level       | 63            | dB(A)      | Reduction Ratio: 3 200                     |
| ADDITIONAL SPECIFICATIONS    |               |            |                                            |
| Maximum Input Speed          | 6000          | rpm        | Reduction Ratio: 3 200                     |
| Compatible Servo Motor Power | 400           | W          |                                            |
| Motor Adapter Interface      | T1            |            |                                            |
| Number of Reduction Stages   | 2             |            |                                            |

# Dimensional & Integration Overview

## Mechanical Overview

| PARAMETER  | VALUE | UNIT |
|------------|-------|------|
| Frame Size | 64    | mm   |
| Weight     | 1.9   | kg   |

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Specifications are subject to change without notice. Verify the current product configuration before final design release.
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2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.