

PRODUCT DATASHEET

ES-PG-C36-S006-V010

Precision Transmission Component

Ultra-Precision Planetary Gearboxes | Ultra-Precision Planetary Gearbox Series - ES-PG-C36-S006

Product Overview

Precision Transmission Component with backlash 7 / 3 arcmin, maximum Input Speed 6000 rpm and frame Size 64 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	7 / 3	arcmin
Maximum Input Speed	6000	rpm
Frame Size	64	mm
Weight	1.2 / 1.6	kg
Compatible Servo Motor Power	200	W
Motor Adapter Interface	T1	
A-Weighted Noise Level	58	dB(A)
Maximum Bending Moment	125	Nm
Permissible Axial Load	1050	N

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	7 / 3	arcmin	Precision Grade: P2; Reduction Ratio: 15~100; Stage: 2 / Precision Grade: P1; Reduction Ratio: 4~10; Stage: 1
Rated Input Speed	3000	rpm	Reduction Ratio: 4~100; Stage: 2
Torsional Rigidity	13	Nm/arcmin	Reduction Ratio: 4~100; Stage: 2
Permissible Axial Load	1050	N	Reduction Ratio: 4~100; Stage: 2
Maximum Bending Moment	125	Nm	Reduction Ratio: 4~100; Stage: 2
MECHANICAL			
Frame Size	64	mm	
Weight	1.2 / 1.6	kg	Reduction Ratio: 4~10; Stage: 1 / Reduction Ratio: 15~100; Stage: 2
ENVIRONMENTAL			
A-Weighted Noise Level	58	dB(A)	Reduction Ratio: 4~100; Stage: 2
ADDITIONAL SPECIFICATIONS			
Maximum Input Speed	6000	rpm	Reduction Ratio: 4~100; Stage: 2
Compatible Servo Motor Power	200	W	
Motor Adapter Interface	T1		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	64	mm
Weight	1.2 / 1.6	kg

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- 01

Specifications are subject to change without notice. Verify the current product configuration before final design release.
- 02

2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.