

PRODUCT DATASHEET

ES-PG-C36-S006-V029

Precision Transmission Component

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

Product Overview

Precision Transmission Component with backlash 5 / 7 arcmin, maximum Input Speed 6000 rpm and frame Size 90 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	5 / 7	arcmin
Maximum Input Speed	6000	rpm
Frame Size	90	mm
Weight	3.7	kg
Compatible Servo Motor Power	1000	W
Motor Adapter Interface	T7	
Rated Output Torque	100	Nm
Number of Reduction Stages	2	
A-Weighted Noise Level	60	dB(A)

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	5 / 7	arcmin	Precision Grade: P1; Reduction Ratio: 15~100 / Precision Grade: P2; Reduction Ratio: 15~100
Rated Output Torque	100	Nm	Reduction Ratio: 100
Rated Input Speed	3000	rpm	Reduction Ratio: 4~100
Torsional Rigidity	31	Nm/ar cmin	Reduction Ratio: 4~100
Permissible Axial Load	2850	N	Reduction Ratio: 4~100
Maximum Bending Moment	235	Nm	Reduction Ratio: 4~100
MECHANICAL			
Frame Size	90	mm	
Weight	3.7	kg	Reduction Ratio: 15~100
ENVIRONMENTAL			
A-Weighted Noise Level	60	dB(A)	Reduction Ratio: 4~100
ADDITIONAL SPECIFICATIONS			
Maximum Input Speed	6000	rpm	Reduction Ratio: 4~100
Compatible Servo Motor Power	1000	W	
Motor Adapter Interface	T7		
Number of Reduction Stages	2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	90	mm
Weight	3.7	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.