PRODUCT DATASHEET

ES-PG-C36-S006-V042

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 / 5 arcmin, maximum Input Speed 6000 rpm and frame Size 110 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	7 / 3 / 5	arcmin
Maximum Input Speed	6000	rpm
Frame Size	110	mm
Weight	7.3	kg
Compatible Servo Motor Power	1000	W
Motor Adapter Interface	T6	
Rated Output Torque	230	N·m
Number of Reduction Stages	2	
A-Weighted Noise Level	63	dB(A)

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	7 / 3 / 5	arcmin	Varies by published configuration.
Rated Output Torque	230	N·m	Reduction Ratio: 100
Rated Input Speed	3000	rpm	Reduction Ratio: 4~100
Torsional Rigidity	82	N·m/arcmin	Reduction Ratio: 4~100
Permissible Axial Load	2990	N	Reduction Ratio: 4~100
Maximum Bending Moment	430	N·m	Reduction Ratio: 4~100
MECHANICAL			
Frame Size	110	mm	
Weight	7.3	kg	Reduction Ratio: 15~100

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
MECHANICAL			
Planetary Gearbox Housing Length L3	6	mm	
Planetary Gearbox Spigot Diameter D6	11×M6×1P	mm	
Planetary Gearbox Key Length L6	8	mm	
ENVIRONMENTAL			
A-Weighted Noise Level	63	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	T6		
Number of Reduction Stages	2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	110	mm
Weight	7.3	kg
Planetary Gearbox Housing Length L3	6	mm
Planetary Gearbox Spigot Diameter D6	11×M6×1P	mm
Planetary Gearbox Key Length L6	8	mm

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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.