PRODUCT DATASHEET

ES-PG-C36-S006-V051

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 / 3 arcmin, maximum Input Speed 6000 rpm and frame Size 140 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	5 / 7 / 3	arcmin
Maximum Input Speed	6000	rpm
Frame Size	140	mm
Weight	15.9	kg
Compatible Servo Motor Power	1000	W
Motor Adapter Interface	T2	
Rated Output Torque	450	N·m
Number of Reduction Stages	2	
A-Weighted Noise Level	65	dB(A)

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	5 / 7 / 3	arcmin	Varies by published configuration.
Rated Output Torque	450	N·m	Reduction Ratio: 100
Rated Input Speed	3000	rpm	Reduction Ratio: 4~100
Torsional Rigidity	151	N·m/arcmin	Reduction Ratio: 4~100
Permissible Axial Load	10590	N	Reduction Ratio: 4~100
Maximum Bending Moment	1300	N·m	Reduction Ratio: 4~100
MECHANICAL			
Frame Size	140	mm	
Weight	15.9	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×M8×1.25P	mm	
Planetary Gearbox Key Length L6	10	mm	
ENVIRONMENTAL			
A-Weighted Noise Level	65	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	T2		
Number of Reduction Stages	2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	140	mm
Weight	15.9	kg
Planetary Gearbox Housing Length L3	6	mm
Planetary Gearbox Spigot Diameter D6	11×M8×1.25P	mm
Planetary Gearbox Key Length L6	10	mm

View Product Online Request Engineering Data Request a Quote

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.