

PRODUCT DATASHEET

ES-RD-C36-S001-V041

Precision Transmission Component

Ultra-Precision Planetary Gearboxes | Ultra-Precision Planetary Gearbox Series - ES-RD-C36-S001

Product Overview

Precision Transmission Component with reduction Ratio 3, 5, frame Size 52 mm and compatible Servo Motor Power 200 W.

Key Specifications

PARAMETER	VALUE	UNIT
Reduction Ratio	3, 5	
Frame Size	52	mm
Compatible Servo Motor Power	200	W
Rated Output Torque	1.47 / 2.65	N·m
Number of Reduction Stages	1	
Input-shaft Equivalent Inertia	0.118 / 0.135	x10 ⁻⁴ kg.m ²
Instantaneous Maximum Output Torque	8.04 / 4.51	N·m
Instantaneous Maximum Permissible Output Torque	10.3 / 8.53	N·m
Output Shaft Speed	1000 / 600	rpm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Rated Output Torque	1.47 / 2.65	Nm	Reduction Ratio: 3 / Reduction Ratio: 5
Instantaneous Maximum Output Torque	8.04 / 4.51	Nm	Reduction Ratio: 5 / Reduction Ratio: 3
Instantaneous Maximum Permissible Output Torque	10.3 / 8.53	Nm	Reduction Ratio: 3 / Reduction Ratio: 5
Output Shaft Speed	1000 / 600	rpm	Reduction Ratio: 3 / Reduction Ratio: 5
Permissible Output Torque	3.43 / 2.84	Nm	Reduction Ratio: 3 / Reduction Ratio: 5
Permissible Axial Load	245 / 196	N	Reduction Ratio: 5 / Reduction Ratio: 3
Permissible Radial Load	490 / 392	N	Reduction Ratio: 5 / Reduction Ratio: 3
MECHANICAL			
Frame Size	52	mm	
Input-shaft Equivalent Inertia	0.118 / 0.135	$\times 10^{-4}$ kg.m ²	Reduction Ratio: 5 / Reduction Ratio: 3
CONFIGURATION			
Reduction Ratio	3, 5		
ADDITIONAL SPECIFICATIONS			
Compatible Servo Motor Power	200	W	
Number of Reduction Stages	1		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	52	mm
Input-shaft Equivalent Inertia	0.118 / 0.135	$\times 10^{-4}$ kg.m ²

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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.