

PRODUCT DATASHEET

ES-RD-C36-S001-V035

Precision Transmission Component

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

Product Overview

Precision Transmission Component with reduction Ratio 81, frame Size 125 mm and compatible Servo Motor Power 200 W.

Key Specifications

PARAMETER	VALUE	UNIT
Reduction Ratio	81	
Frame Size	125	mm
Compatible Servo Motor Power	200	W
Rated Output Torque	36.1	N·m
Number of Reduction Stages	2	
Input-shaft Equivalent Inertia	0.24	x10 ⁻⁴ kg.m ²
Instantaneous Maximum Output Torque	108.3	N·m
Instantaneous Maximum Permissible Output Torque	129.9	N·m
Output Shaft Speed	37	rpm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Rated Output Torque	36.1	N·m
Instantaneous Maximum Output Torque	108.3	N·m
Instantaneous Maximum Permissible Output Torque	129.9	N·m
Output Shaft Speed	37	rpm
Permissible Output Torque	43.3	N·m
Permissible Axial Load	1765	N
Permissible Radial Load	3530	N
MECHANICAL		
Frame Size	125	mm
Input-shaft Equivalent Inertia	0.24	$\times 10^{-4}$ kg·m ²
CONFIGURATION		
Reduction Ratio	81	
ADDITIONAL SPECIFICATIONS		
Compatible Servo Motor Power	200	W
Number of Reduction Stages	2	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	125	mm
Input-shaft Equivalent Inertia	0.24	$\times 10^{-4}$ kg.m ²

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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.