

PRODUCT DATASHEET

ES-RD-C36-S001-V057

Precision Transmission Component

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

Product Overview

Precision Transmission Component with reduction Ratio 45, frame Size 98 mm and compatible Servo Motor Power 200 W.

Key Specifications

PARAMETER	VALUE	UNIT
Reduction Ratio	45	
Frame Size	98	mm
Compatible Servo Motor Power	200	W
Rated Output Torque	21.1	N·m
Number of Reduction Stages	2	
Input-shaft Equivalent Inertia	0.0256	$\times 10^{-4}$ kg.m ²
Instantaneous Maximum Output Torque	63.5	N·m
Instantaneous Maximum Permissible Output Torque	85.2	N·m
Output Shaft Speed	66	rpm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Rated Output Torque	21.1	N·m
Instantaneous Maximum Output Torque	63.5	N·m
Instantaneous Maximum Permissible Output Torque	85.2	N·m
Output Shaft Speed	66	rpm
Permissible Output Torque	28.3	N·m
Permissible Axial Load	1030	N
Permissible Radial Load	2060	N
MECHANICAL		
Frame Size	98	mm
Input-shaft Equivalent Inertia	0.0256	$\times 10^{-4}$ kg·m ²
CONFIGURATION		
Reduction Ratio	45	
ADDITIONAL SPECIFICATIONS		
Compatible Servo Motor Power	200	W
Number of Reduction Stages	2	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	98	mm
Input-shaft Equivalent Inertia	0.0256	$\times 10^{-4}$ 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.