

PRODUCT DATASHEET

ES-RD-C36-S001-V053

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, frame Size 98 mm and compatible Servo Motor Power 2000 W.

Key Specifications

PARAMETER	VALUE	UNIT
Reduction Ratio	3	
Frame Size	98	mm
Compatible Servo Motor Power	2000	W
Rated Output Torque	17.2	N·m
Number of Reduction Stages	1	
Input-shaft Equivalent Inertia	2.43	$\times 10^{-4}$ kg.m ²
Instantaneous Maximum Output Torque	51.5	N·m
Instantaneous Maximum Permissible Output Torque	54.9	N·m
Output Shaft Speed	1000	rpm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Rated Output Torque	17.2	N·m
Instantaneous Maximum Output Torque	51.5	N·m
Instantaneous Maximum Permissible Output Torque	54.9	N·m
Output Shaft Speed	1000	rpm
Permissible Output Torque	18.3	N·m
Permissible Axial Load	441	N
Permissible Radial Load	882	N
MECHANICAL		
Frame Size	98	mm
Input-shaft Equivalent Inertia	2.43	$\times 10^{-4}$ kg·m ²
CONFIGURATION		
Reduction Ratio	3	
ADDITIONAL SPECIFICATIONS		
Compatible Servo Motor Power	2000	W
Number of Reduction Stages	1	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	98	mm
Input-shaft Equivalent Inertia	2.43	$\times 10^{-4}$ 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.