

PRODUCT DATASHEET

ES-RD-C36-S001-V059

Precision Transmission Component

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

Product Overview

Precision Transmission Component with reduction Ratio 9, frame Size 98 mm and compatible Servo Motor Power 750 W.

Key Specifications

PARAMETER	VALUE	UNIT
Reduction Ratio	9	
Frame Size	98	mm
Compatible Servo Motor Power	750	W
Rated Output Torque	18.2	N·m
Number of Reduction Stages	1	
Input-shaft Equivalent Inertia	0.65	$\times 10^{-4}$ kg.m ²
Instantaneous Maximum Output Torque	54.7	N·m
Instantaneous Maximum Permissible Output Torque	54.7	N·m
Output Shaft Speed	333	rpm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Rated Output Torque	18.2	N·m
Instantaneous Maximum Output Torque	54.7	N·m
Instantaneous Maximum Permissible Output Torque	54.7	N·m
Output Shaft Speed	333	rpm
Permissible Output Torque	18.2	N·m
Permissible Axial Load	735	N
Permissible Radial Load	1470	N
MECHANICAL		
Frame Size	98	mm
Input-shaft Equivalent Inertia	0.65	$\times 10^{-4}$ kg·m ²
CONFIGURATION		
Reduction Ratio	9	
ADDITIONAL SPECIFICATIONS		
Compatible Servo Motor Power	750	W
Number of Reduction Stages	1	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	98	mm
Input-shaft Equivalent Inertia	0.65	$\times 10^{-4}$ 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.