PRODUCT DATASHEET

ES-RD-C36-S001-V054

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 98 mm and compatible Servo Motor Power 1000 W.

Key Specifications

PARAMETER	VALUE	UNIT
Reduction Ratio	3, 5	
Frame Size	98	mm
Compatible Servo Motor Power	1000	W
Rated Output Torque	13.4 / 7.55	N·m
Number of Reduction Stages	1	
Input-shaft Equivalent Inertia	1.85 / 2.43	$x10^{-4}$ $kg.m^2$
Instantaneous Maximum Output Torque	40.5 / 22.8	N·m
Instantaneous Maximum Permissible Output Torque	70.6 / 54.9	N·m
Output Shaft Speed	1000 / 600	rpm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Rated Output Torque	13.4 / 7.55	N·m	Reduction Ratio: 5 / Reduction Ratio: 3
Instantaneous Maximum Output Torque	40.5 / 22.8	N·m	Reduction Ratio: 5 / Reduction Ratio: 3
Instantaneous Maximum Permissible Output Torque	70.6 / 54.9	N·m	Reduction Ratio: 5 / Reduction Ratio: 3
Output Shaft Speed	1000 / 600	rpm	Reduction Ratio: 3 / Reduction Ratio: 5
Permissible Output Torque	23.5 / 18.3	N·m	Reduction Ratio: 5 / Reduction Ratio: 3
Permissible Axial Load	441 / 539	N	Reduction Ratio: 3 / Reduction Ratio: 5
Permissible Radial Load	882 / 1080	N	Reduction Ratio: 3 / Reduction Ratio: 5
MECHANICAL			
Frame Size	98	mm	
Input-shaft Equivalent Inertia	1.85 / 2.43	$x10^{-4}$ $kg.m^2$	Reduction Ratio: 5 / Reduction Ratio: 3
CONFIGURATION			
Reduction Ratio	3, 5		
ADDITIONAL SPECIFICATIONS			
Compatible Servo Motor Power	1000	W	
Number of Reduction Stages	1		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	98	mm
Input-shaft Equivalent Inertia	1.85 / 2.43	$x10^{-4}$ $kg.m^2$

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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.