PRODUCT DATASHEET

ES-RD-C36-S001-V040

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 52 mm and compatible Servo Motor Power 400 W.

Key Specifications

PARAMETER	VALUE	UNIT
Reduction Ratio	3	
Frame Size	52	mm
Compatible Servo Motor Power	400	W
Rated Output Torque	3.43	N·m
Number of Reduction Stages	1	
Input-shaft Equivalent Inertia	0.145	$x10^{-4}$ $kg.m^2$
Instantaneous Maximum Output Torque	10.3	N·m
Instantaneous Maximum Permissible Output Torque	10.3	N·m
Output Shaft Speed	1000	rpm

Technical Specifications

PARAMETER	SPECIFICATION	UNIT
PERFORMANCE		
Rated Output Torque	3.43	N·m
Instantaneous Maximum Output Torque	10.3	N·m
Instantaneous Maximum Permissible Output Torque	10.3	N·m
Output Shaft Speed	1000	rpm
Permissible Output Torque	3.43	N·m
Permissible Axial Load	196	N
Permissible Radial Load	392	N
MECHANICAL		
Frame Size	52	mm
Input-shaft Equivalent Inertia	0.145	$x10^{-4}$ $kg.m^2$
CONFIGURATION		
Reduction Ratio	3	
ADDITIONAL SPECIFICATIONS		
Compatible Servo Motor Power	400	W
Number of Reduction Stages	1	

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	52	mm
Input-shaft Equivalent Inertia	0.145	$x10^{-4}$ $kg.m^2$

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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.