

PRODUCT DATASHEET

ES-HG-S11-F11-R100

Precision Transmission Component

Cup Harmonic Gearboxes | Lightweight Cup Unit Type I

Product Overview

Precision Transmission Component with rated Torque 5 Nm, instantaneous Maximum Torque 25 Nm and start/Stop Peak Torque 11 Nm.

Key Specifications

PARAMETER	VALUE	UNIT
Rated Torque	5	Nm
Instantaneous Maximum Torque	25	Nm
Start/Stop Peak Torque	11	Nm
Reduction Ratio	100	
Backlash	≤30	arc sec
Maximum Input Speed	8500	r/min
Allowable Average Torque	8.9	Nm
Frame Size	11	
Weight	0.17	kg

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Rated Torque	5	Nm	Frame Size: 11; Reduction Ratio: 100
Instantaneous Maximum Torque	25	Nm	Frame Size: 11; Reduction Ratio: 100
Start/Stop Peak Torque	11	Nm	Frame Size: 11; Reduction Ratio: 100
Backlash	≤30	arc sec	Frame Size: 11; Reduction Ratio: 100
Allowable Average Torque	8.9	Nm	Frame Size: 11; Reduction Ratio: 100
MECHANICAL			
Frame Size	11		Frame Size: 11; Reduction Ratio: 100
Weight	0.17	kg	Frame Size: 11; Reduction Ratio: 100
Wave Generator Bore U	φ6H7 / φ5H7		Frame Size: 11; Option Index: 1; Option Label: Wave generator - A φ 6; Reduction Ratio: 100; Wave Generator Option: wave-generator-4df7ad827c47 / Frame Size: 11; Option Label: Wave generator - A φ 5; Reduction Ratio: 100; Wave Generator Option: wave-generator-9b68021d3e2c
RELIABILITY			
Design Life	10000	h	Frame Size: 11; Reduction Ratio: 100
ADDITIONAL SPECIFICATIONS			
Reduction Ratio	100		Frame Size: 11; Reduction Ratio: 100
Maximum Input Speed	8500	r/min	Frame Size: 11; Reduction Ratio: 100
Average Input Speed	3500	r/min	Frame Size: 11; Reduction Ratio: 100

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	11	
Weight	0.17	kg
Wave Generator Bore U	φ6H7 / φ5H7	

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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.