



Rating Table

1. Ratio	30	50	80	100
2. Rated Torque at 2000 rpm	4.0 Nm	5.4 Nm	7.8 Nm	7.8 Nm
3. Limit for Repeated Peak Torque	9.0 Nm	18 Nm	23 Nm	28 Nm
4. Limit for Average Torque	6.8 Nm	6.9 Nm	11 Nm	11 Nm
5. Limit for Momentary Peak Torque	17 Nm	35 Nm	47 Nm	54 Nm
6. Max. Input Speed rpm	8500 r/min	8500 r/min	8500 r/min	8500 r/min
7. Limit for Average Input Speed rpm	3500 r/min	3500 r/min	3500 r/min	3500 r/min

Performance Data for the Output Bearing

Pitch Circle	Offset	Dynamic Load Rating C	Static Load Rating Co	Permissible Dynamic Tilting Moment	Tilting Moment Stiffness	Permissible Dynamic Radial Load	Permissible Dynamic Axial Load
35 mm	11.4 mm	6.12x10 ³ N	5.85x10 ³ N	13.2 Nm	1.34x10 ⁴ Nm/rad	550 N	1800 N

REMARKS

Lubrication : Harmonic Drive Harmonic Grease SK-2
 Output Bearing Multemp HL-D
 ※ Please remark that there is no position relationship between 6-M4 and keyway.
 Designing and/or Handling of Harmonic Drive Gears(Harmonic Actuators)
 has to Comply with technical information shown in Harmonic Drive Catalog

CUSTOMER DRAWING NO.

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訂正 REV	来歴 DESCRIPTION	設計 DESIGN	K.SHIRASAWA	Jul- 4-07	タイトル TITLE	ASSEMBLY DRAWING
仕様 SPEC	(標準)	検図 VRFD	E.KIDOOKA	Jul- 4-07	製品名 ARTICLE	CSF-14-XXX-1U
機械加工無記号公差 GENERAL TOLERANCE	備考 REMARKS : 特記無き角はCO. 2以下、すみの丸みはRO. 4以下 無記号表面アブラサ	承認 APPD	E.KIDOOKA	Jul- 4-07	図番 DWG No	C2A0040 -
0 0.5 6 30 120 315 1000 2000	0.5 6 30 120 315 1000 2000	50S 25S 6.3S	DWG SIZE A3		UNIT mm	THIRD ANG ☉
±0.05 ±0.1 ±0.2 ±0.3 ±0.5 ±0.8 ±1.2	±0.05 ±0.1 ±0.2 ±0.3 ±0.5 ±0.8 ±1.2	▽ → ▽ ▽ → ▽ ▽ → ▽	HARMONIC DRIVE SYSTEMS		INC TOKYO JAPAN	
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