

KCEFM-R50-50-C Series



The product can effectively replace some direct-drive motors and hollow rotary platforms. Rotating actuators such as precision cam splitters and servo-integrated high-ratio planetary reducers. The harmonic reducer is combined with a standard servo motor or a stepper motor.

Feature

- The KCEFM-R50 series products adopt photoelectric encoders and are equipped with brakes.
- It boasts extremely high precision and a compact structure, while also possessing an excellent hollow aperture,
- It can provide ample space for various cable routing needs.

Naming resolution

K	CE	FM	R50	50	C
Product coding	Integration	Lightweight module	Specifications 50/70/80/90	Reduction ratio 30/50/100	R:RS474 C:CAN

KCEFM Joint Module Product Series Parameter Table

Serial number	Module	Sub-item	Technical Specifications							
Module specifications			50		70		80		90	
1	Speed reducer	Reduction ratio	50	100	50	100	50	100	50	100
2		Rated torque (nm)	3.1	4.5	3.8	6.5	12	16	17	28
3		Start stop torque (nm)	7.8	10	12	18	25	37	41	60
4		Instantaneous torque (nm)	15	22	25	28	50	71	68	98
5		Back limit (arcsec)	≤45	≤45	≤45	≤45	≤45	≤45	≤45	≤45
6	Motor	Rated power (W)	0.1		0.27		0.33		0.39	
7		Rated torque (Nm)	0.25		0.55		0.85		1	
8		Peak torque (Nm)	3000		3000		2500		2800	
9		Rated speed (RPM)	1.3		3		3.6		4.5	
10	Complete machine	Dimensions (mm)	φ52x44		φ68x49		φ81x58		φ95x62	
11		Weight (kg)	0.28		0.34		0.45		0.6	
12	Encoder	Speed loop resolution	14bit							
13	Drive	Communication interface	RS485/CAN							
14		Control bandwidth	Current loop:10KHz / Speed loop:1KHz							
15		Protection function	reverse connection/overtemperature/short circuit overvoltage/undervoltage/self-check							