

Wuxi REP Technology co., Ltd.

Add.: #6 Gaikai Rd., 214124 Wuxi, China

Tel: +86-510-8562-5086 Fax: +86-510-8224-4577 Email: info@hedss.com.cn

♦ Feature

HKT22 is a 2-channel low cost optical hollow shaft encoder which can be fixed easily on shafts of motors. HKT22 has 2 square-wave outputs which are 90-degree phase shifted for counting and direction information.

Specifications

Ele	ectr	ical	Spe	cif	icati	ions
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Output Wave	Square Wave
Current Consumption	≤50mA
Output Current	2~12mA
Response Frequency	0~30KHz
Output Phase Difference	90° ± 45°
Output Voltage	-0.5V~Vcc
Signal Level	Vн≥85%Vcc,VL≤0.3V
Mechanical Specifications	

Mechanical Specifications

Rotor Inertia Of Code-wheel	4.0x10°Kgm²
Shock Resistance	980m/s², 6ms, 2 times each on XYZ
Vibration Proof	50m/s², 10~200Hz, 2 hours each on XYZ
Working Life	MTBF≥50000h (+25°C, 2000rpm)
Weight	10g (with 0.5m cable)

Environmental Specifications

Working Humidity	30~85% (no condensation)
Storage Temperature	-40℃~85℃
Working Temperature	-10℃~85℃

◆ Terminal Assignment

Flat Cable (from the colored end)	1	2	3	4	5
Voltage Output	ov	N.C	Ch B	+5V	ChA

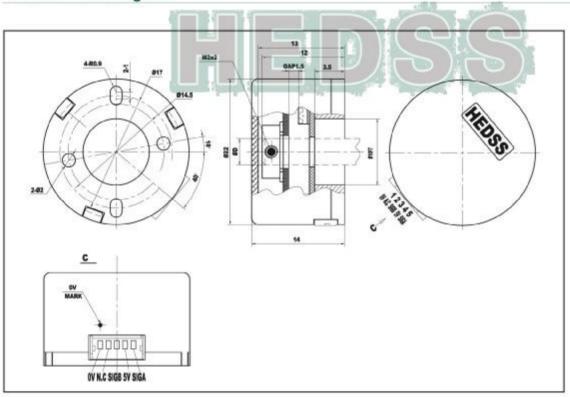
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Professional Encoder Manufacturer SERIES HKT22 Ordering Information HKT22 XX 702 C1 - XXX E **Output Circuit** Series **HKT22 Series** Voltage output **Bore Size** Supply Voltage 02 03 Φ2mm 5V DC ф3mm φ4mm Outputs 2-Channel outputs Glass code-wheel 702 Connector Resolution Number

100, 120, 200, 256, 300, 360, 400, 500

Dimension Diagram



C1-Flat Cable Connector