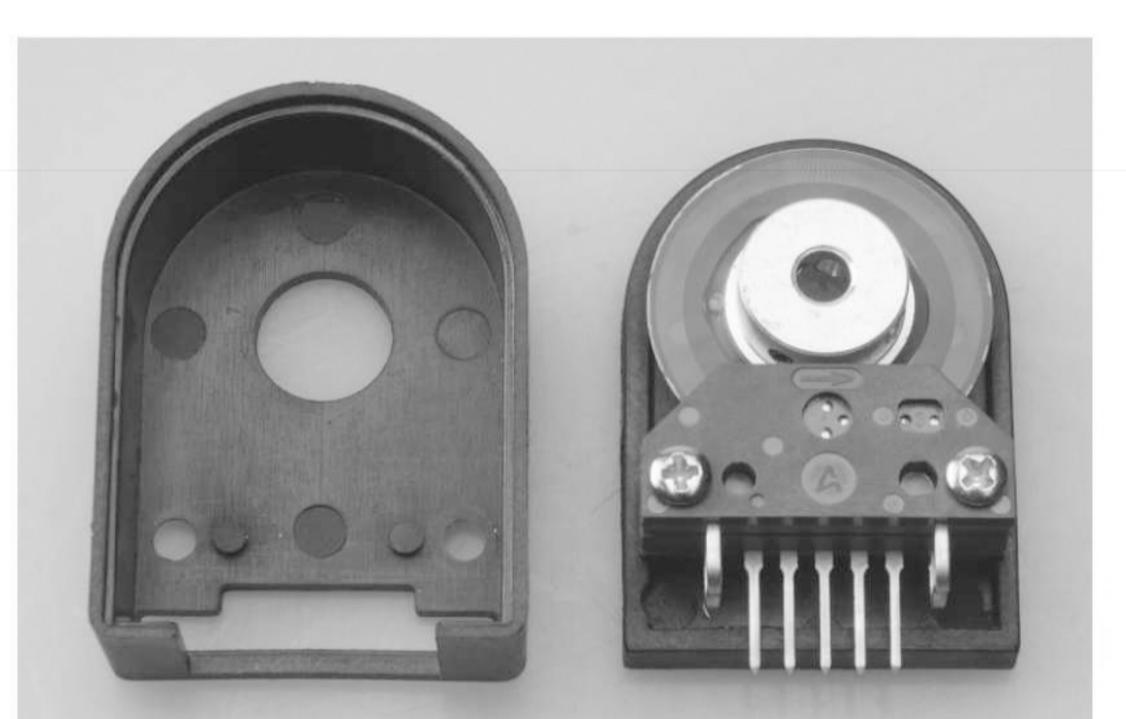
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Feature

HKT30-301 is a 2 or 3-channel low cost optical hollow shaft encoder which can be fixed easily on shafts of motors. HKT30-301 has 2 or 3 square-wave outputs which are 90-degree phase shifted for counting and direction information and one optional index channel.

Specifications

Electrical Specifications				
Output Wave	Square Wave			
Current Consumption	≤60mA			
Output Current	0~5mA			
Response Frequency	0~100KHz			

Output Phase Difference	$90^{\circ}\pm45^{\circ}$
Signal Level	Vн≥85%Vcc,V∟≤0.3V
Mechanical Specifications	
Rotor Inertia Of Code-wheel	6.0x10 ⁻⁸ Kgm ²
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℃, 2000rpm)
Weight	10g
Environmental Specificat	ions
Working Humidity	30~85% (no condensation)
Working Temperature	-25℃~85℃
Storage Temperature	-40℃~85℃
Weld Temperature	≤260 ℃



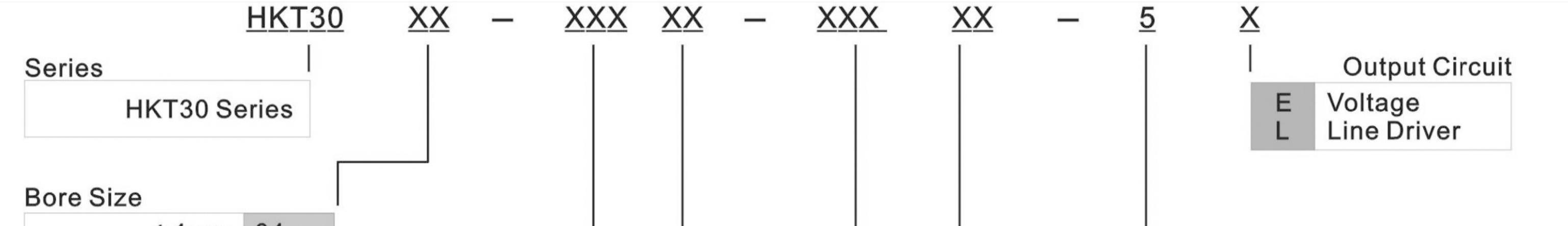
Voltage Output	0V		.	Α	Vcc	В			
Flat Cable (from the colored end)	1		2	3	4	5			
Shield Cable (core color)	Blac	k Yel	low G	reen	Red	White			
Line Driver Output	0V	Vcc	Α	A/	B/	Β	Z	Z/	
Flat Cable (from the colored end)	1	2		4	5	6	7	8	
Shield Cable (core color)	Black	Red	Green	Brown	Grey	White	Yellow	Orange	

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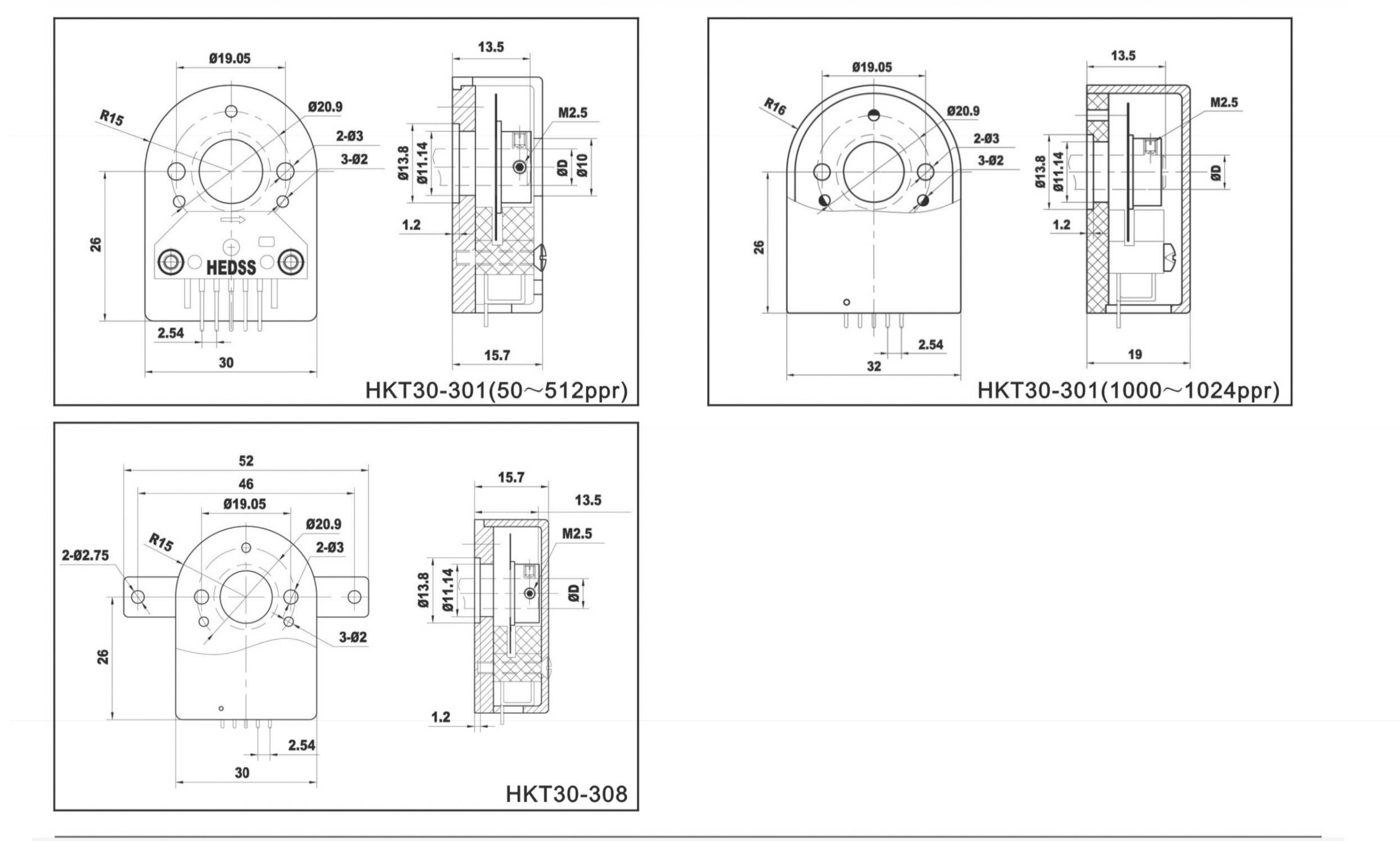


Ordering Information



φ4mm 04 φ5mm 05 φ6mm 06 φ6.35mm(1/4") 06.35 φ8mm 08		Supply Voltage 5 5V DC
		Outputs
plasticcode-wheel+ W module metal code-wheel + W module		B BZ32-Channel outputsBZ33-Channel outputs
plasticcode-wheel+ W module+ ear-like Mountingboard metal code-wheel + W module+ ear-like	308 208	Resolution Number
Mountingboard		50, 100, 120, 200, 256, 360, 400, 500, 512, 1000, 1024
Connector		
Pin-Conne	ction	
Plug(on PCB)+Flat C	able	
Shield C	Cable	

Dimension Diagram



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