

## DE3 Magnetic Encoder Use Parameter



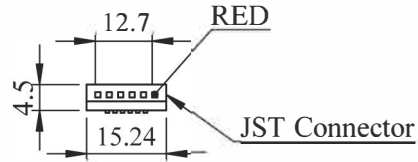
JST Connector



1	RED	Motor +
2	GRAY	Channel B
3	GRAY	Sensor Voltage+
4	GRAY	Ground
5	GRAY	Channel A
6	GRAY	Motor -

Note:

1. Leadwire: 2651 #28 6P long 110±10mm
2. Terminal: JST SPH-002T-P0.5L Equivalent
3. Housing: JST PHR-6 Equivalent



(unit:mm)

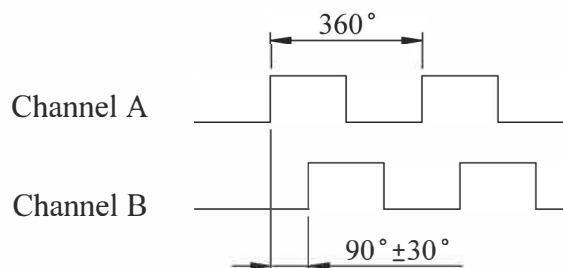
### A. Operating Range:

	Symbol	Min	Typ	Max	Units
Operating Temperature Range	Ta	-40	~	125	°C
Storage Temperature Range	Ts	-65	~	150	°C
Operating Voltage Range	Vcc	2.4	~	26	V

### B. Electrical Characteristics: (at 12V at+25°C)

Characteristic	Symbol	Test Conditions	Typ	Max	Units
Output Saturation Voltage	Vout	Ic=10mA B>Bop	0.2	0.6	V
Output Leakage Current	Ileakage	B<Brp	<0.1	10	uA
Supply Current	Isupply	Output Open	2.0	5	mA
Output Rise Time	Tr	RL=2K Ohm CL=20Pf	1.0	10	us
Output Falling Time	Tf	RL=2K Ohm CL=20 Pf	0.3	1.5	us

### C. Phase Shift:



D. Note:

1. The output signal is open collector structure.