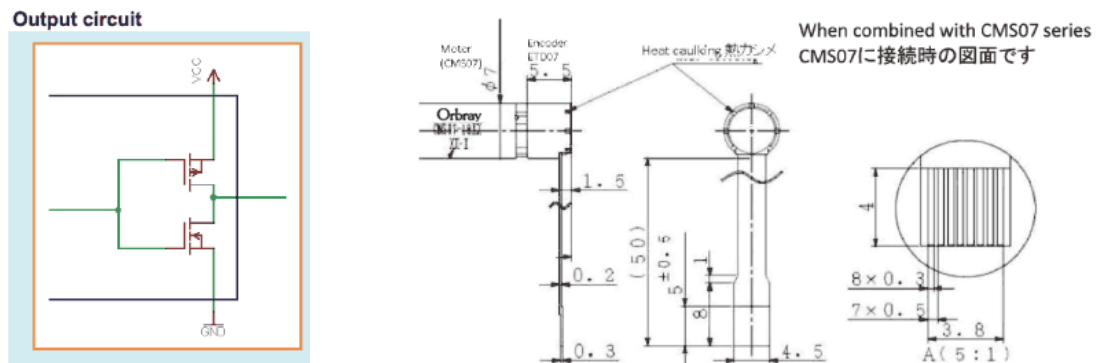


Encoder

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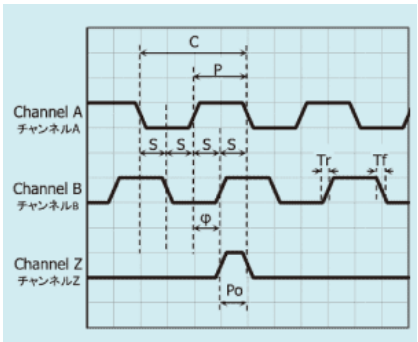
3 Channels magnetic incremental encoder.



Specification at 25°C

		Encoder EHM07-3B	
1	Sensor	Magnetic	
2	Encoder Type	Incremental	
3	Output Signal	TTL compatible	
4	Number of Channels	3	channel
5	Resolution (Max. speed = 50,000 rpm)	64	pulse/rev
6	Max. Frequency Response	55	kHz
7	Supply Voltage, Vcc	4.5 . . 5.5	V
8	Supply Current, typical	14	mA
9	Output Voltage "H"	≧ 2.4 (Max.Vcc)	V
10	Output Voltage "L"	≦ 0.8	V
11	Output current per channel	4.0	mA
12	Rise and fall time (R _L =2.7kΩ and C _L =25pF)	Tr=60, Tf=60	ns
13	Inertia	TBD	gmm ²
14	Operating Temperature	-20. . . +85	°C
15	Storage Temperature	-20. . . +85	°C

Output signal (at motor shaft clockwise rotation)



Output signal information

Cycle C	360	° e
Pulse P	180	° e
Ato B channel phase shift, ϕ	90 ± 45	° e
Logic state width, S	90 ± 45	° e

*Max error ($\pm$ ° e) indicated above.

Electrical connections

#1	Vcc	DC4.5...5.5V
#2	Ch.B	TTL compatible
#3	Ch.A	TTL compatible
#4	Ch.Z	TTL compatible
#5	GND	
#6	(Motor+)	(Motor+)
#7	(Motor-)	(Motor-)