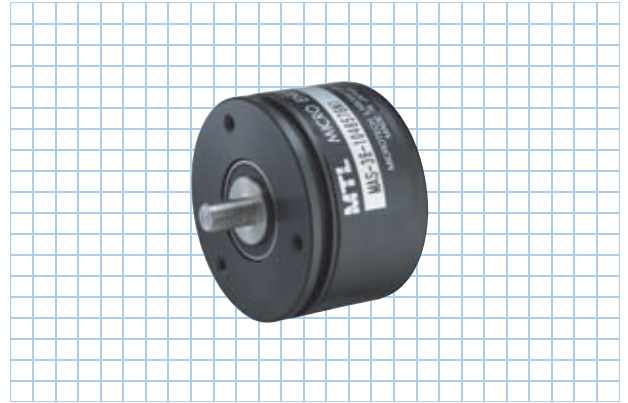


MA-36-20bit

[Absolute]

- Single-revolution absolute encoder with outside dimensions $\phi 46 \times 30$
- Compliant with RS422 serial communications (SSI Format)



Specifications

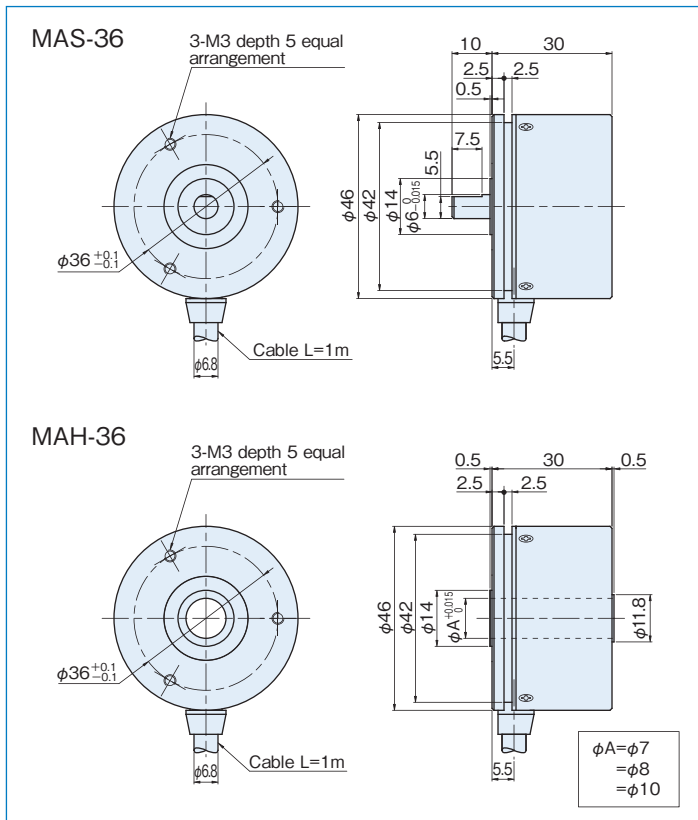
Type name	MA△-36-□□N1	
Item		
Supply voltage	DC5V±5% (at end of encoder cable)	
Current consumption	100mA or less (under no load)	
Resolution	1,048,576 (20bit), 524,288 (19bit), 262,144 (18bit)	
Allowable rotation	6000r/min	
Allowable load of shaft (electrical)	Radial	19.6N (2kgf)
	Thrust	9.8N (1kgf)
Working temperature/humidity	-10°C~70°C / RH90% or less (no dewing)	
Storage temperature	-20°C~80°C	
Vibration resistance	Durability 55Hz, double amplitude 1.5mm 2 hours each in X, Y, and Z directions	
Impact resistance	Durability 500m/s ² (about 50G) 3 times each in X, Y, and Z directions	
Cable	Outside diameter $\phi 6.8$ 7-core vinyl wire Insulated shield cable AWG28 (length 1m)	
Mass	300g (excluding cable)	
Communication method	RS-422 Communication (four-wire) SSI Format	

Decoder specifications (37×37 PCB)

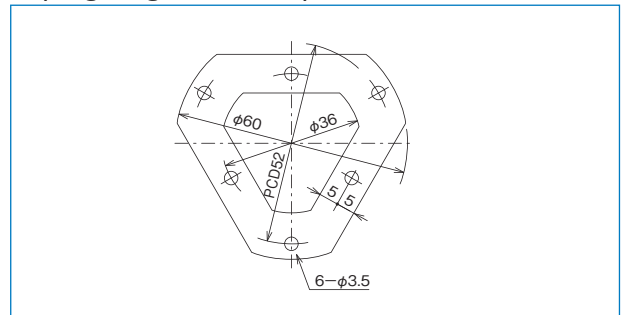
Type name	DECODER-△△bit
Item	
Supply voltage	DC5V ±5%
Current consumption	60mA or less (160mA or less including encoder)
Parallel data update cycle	60μs (16.7kHz)
Output circuit	NPN open collector
Output capacity	Sink current 20mA or less Load voltage 35V or less Residual voltage 0.4V or less (sink current 10mA)
Logic	Negative logic (H=0, L=1)

△△...18, 19, 20 (corresponding to the encoder resolution)

Outside dimensions



Spring flange MEH-30 (Option)



Decoder Outside dimensions (Option)

