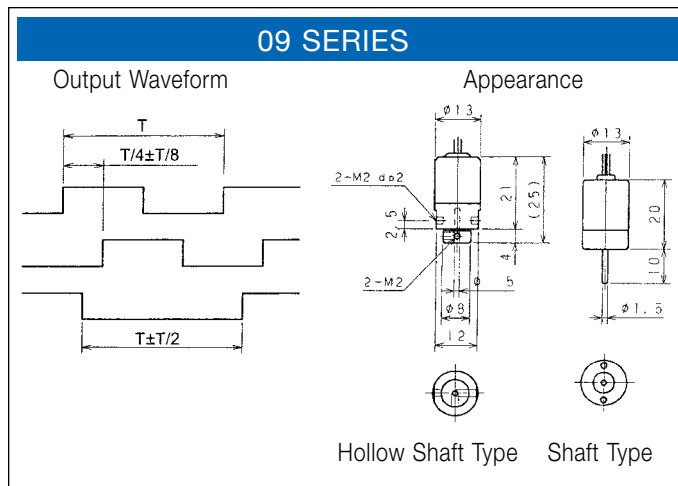
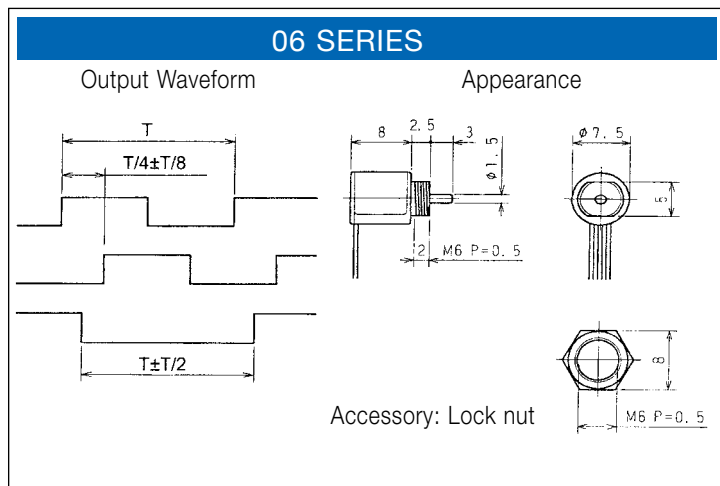


# MICRO ENCODER

SPECIFICATIONS	06 SERIES	09 SERIES
• Power Supply	DC 5V±10%	DC 5V±10%
• Current Consumption	30 mA or less	40mA or less
• Signal Detection Code	Incremental	Incremental
• Resolutions (pulse/revolution)	100, 200, 300, 360	300,500,1000
• Output Phase	AB type (2 channels) with index (Z)	AB type (2 channels) with index (Z)
• Output Signal	Square wave, open collector output	Square wave, voltage output, open collector output
• Sinking Current	4mA MAX	20mA MAX
• Max. Frequent Response	100 KHz	100 KHz
• Phase Difference	T/4±T/8	T/4±T/8
• Rise and Fall Time	2 µs or less	2µs or less
• Starting Torque	0.3x10 <sup>-3</sup> N·m (3gf·cm) or less	1.0x10 <sup>-3</sup> N·m (10gf·cm) or less
• Shaft Loading	Thrust axial 1.9N (200g)	Thrust axial 1.9N (200g): resolution range 32 to 500 0.98N (100g): resolution 1000
	Radial 0.98N (100g)	Radial 1.9N (200g): resolution range 32 to 500 0.98N (100g): resolution 1000
• Shaft Revolution	6000 rpm	6000 rpm
• Operating Temperature	0°C~60°C	0°C~60°C
• Storage Temperature	-20°C~80°C	-20°C~80°C
• Humidity	RH 90% or less, no condensation	RH 90% or less, no condensation
• Vibration	Endurance: 55 Hz, double amplitude 1.5 mm, 2 hours in X, Y and Z directions, respectively	Endurance: 55 Hz, double amplitude 1.5 mm, 2 hours in X, Y and Z directions, respectively
• Shock	Endurance: 500 m/s <sup>2</sup> (about 50G), 3 times in X, Y and Z directions, respectively	Endurance: 500 m/s <sup>2</sup> (about 50G), 3 times in X, Y and Z directions, respectively
• Weight	5g	10g



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