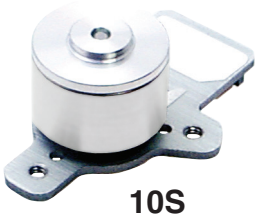
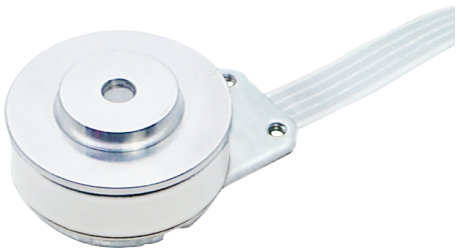
Brushless DC Motors

for Digital Light Processing™ Products



10S



17S

28S

Mechanical and Operational Characteristics (1)

Model	Torque Constant (mNm/A)	Rotational Speed Nom. (rpm)	Rotational Speed Max. (rpm)	Rotation (Top View)	Max. Disk Load Inertia (g-cm²)	Max. Disk Load Weight (g)	Operating Voltage Nom. (V)	Operating Voltage Range (V)	No Load Current(2) (mA)	Sound Pressure(3) (dBA)	Bearing	Operating Temp. Min. (°C)	Operating Temp. Max. (°C)	Motor Life (hours)
10S	5.1	7,200	10,800	CW or CCW	9.5	6.0	12	11.4-12.6	200	50	Sleeve	+5	+85	15,000
17S	6.0	7,200	10,800	CW or CCW	56.9	15	12	11.4-12.6	250	50	Sleeve	+5	+85	20,000
28S	7.0	7,200	10,800	CW or CCW	234	20	12	11.4-12.6	350	53	Sleeve	+5	+85	30,000

Note: (1) Values are representative of current designs. Design-to-specification capabilities are available for these motors.
(2) Maximum value.
(3) Sound pressure is recorded at nominal speed under no-load conditions, 4.0 cm (axially) from the center of the top of the motor.
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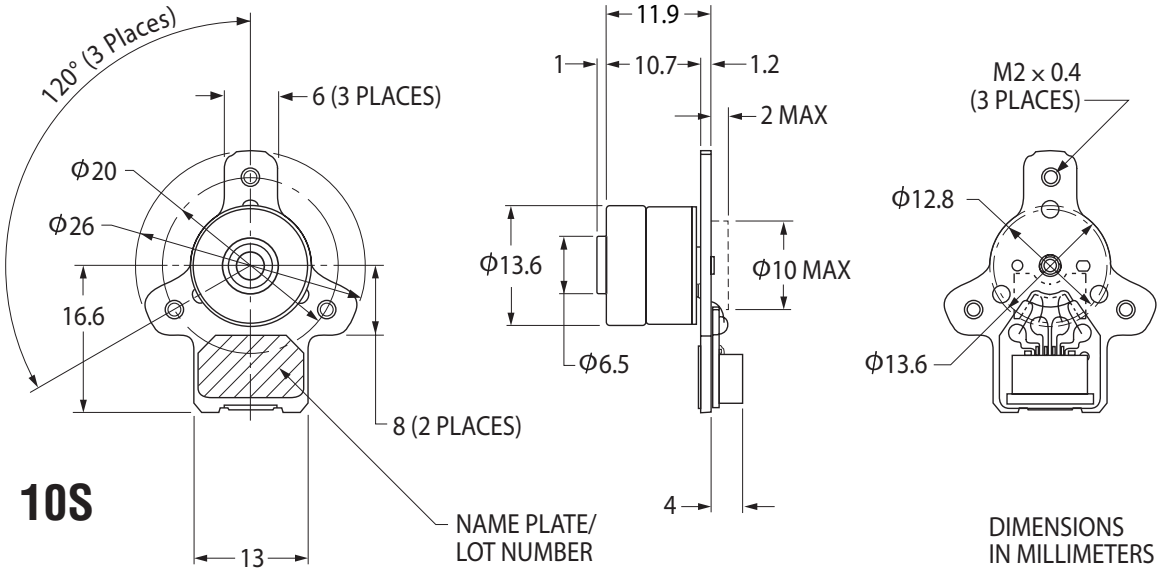
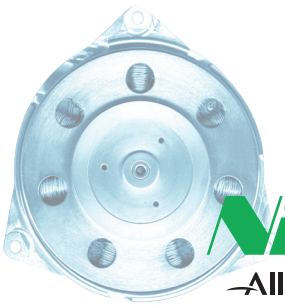


10S

DIMENSIONS
IN MILLIMETERS



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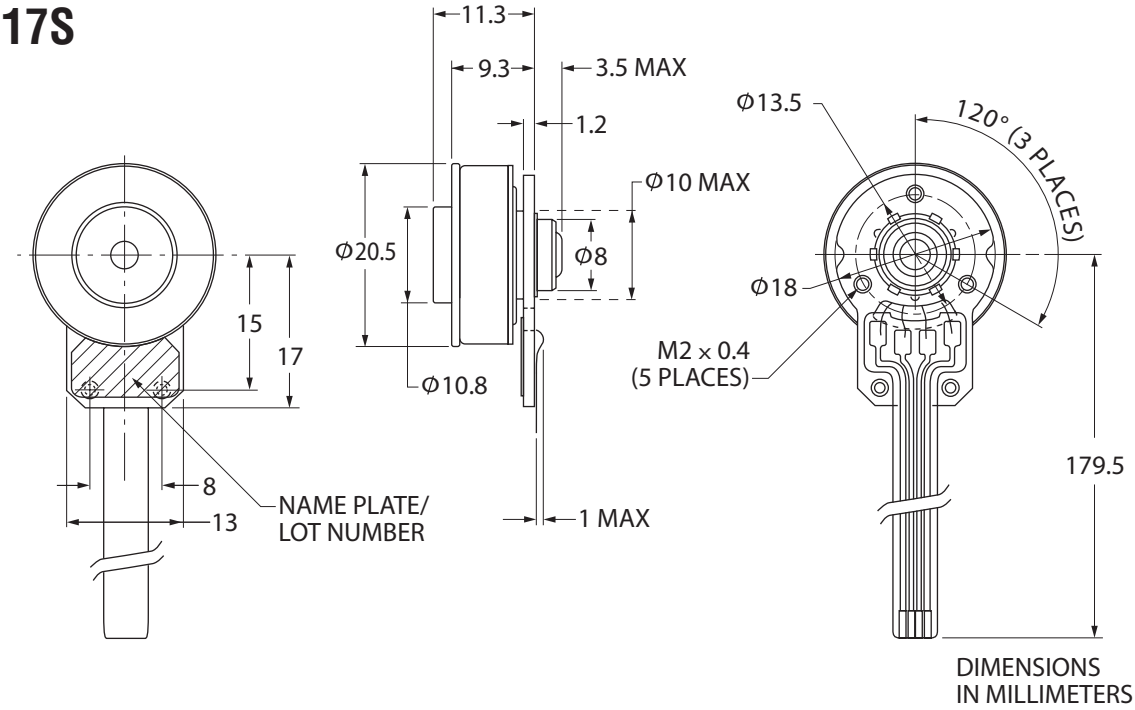

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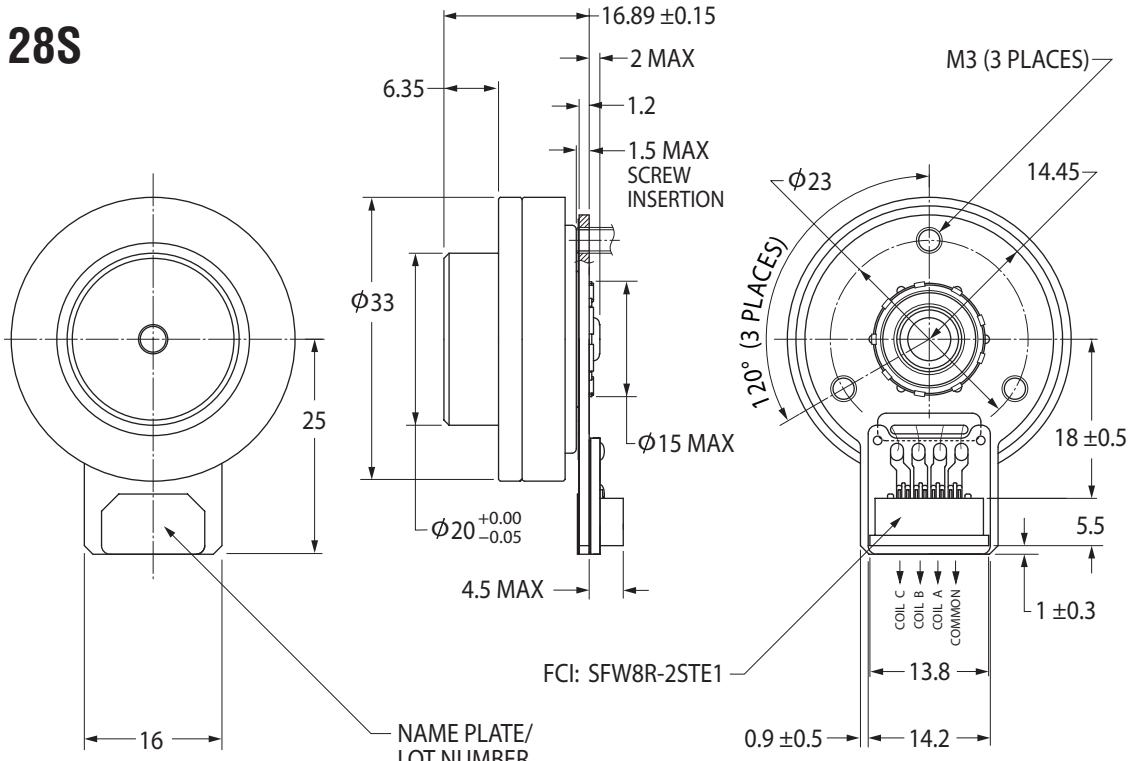

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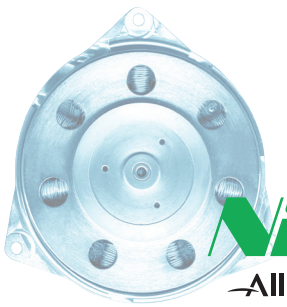

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