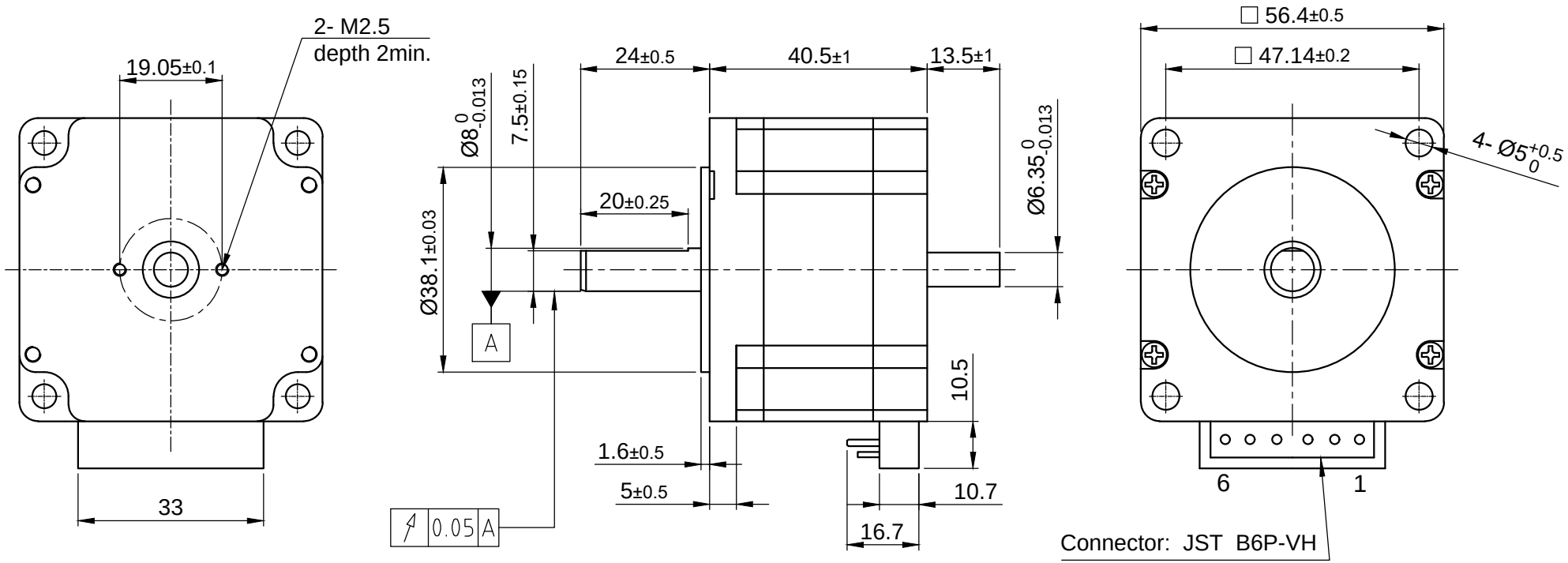
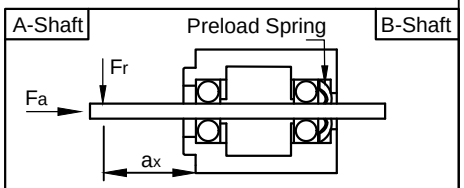



| MOTOR SPECIFICATION | | |
|---|---|---|
| Voltage | V DC | 2.1 |
| Current per Winding | A | 2.8 |
| Resistance per Phase (25°C) ±15% | Ω | 0.78 |
| Inductance per Phase (1 kHz) ±20% | mH | 1.8 |
| Holding Torque | Nm | 0.6 |
| Step Angle ±5% | ° | 1.8 |
| Rotor Inertia | kg m² | 12 x10$^{-6}$ |

| TYPE OF CONNECTION | | |
|---|---|---|
| Bipolar | Pin No. | Winding |
| A | 1 | |
| A\ | 3 | |
| B | 4 | |
| B\ | 6 | |




| | | | |
|---|---|---|---|
| Max. Axial Force | Fa | N | 15 |
| Max. Radial Force | Fr (a2 = 20 mm) | N | 75 |
| Axial Play | Fa = 4.0 N | mm | 0.08 |
| Radial Play | Fr = 4.0 N | mm | 0.02 |

| GENERAL MOTOR SPECIFICATION | | |
|---|---|---|
| Ambient Temperature | °C | -20 ...50 |
| Max. Temperature Rise (at standstill - 2 phases energized) | °C | 80 |
| Max. Ambient Humidity (non condensing) | % | 85 |
| Insulation Class | | B |
| Insulation Resistance | MΩ | 100 |
| Dielectric Strength (for 1 min - coil to case) | V AC | 500 |

| ISO 8015 | ISO 1302 | ISO 2768 cK | ISO 13715 |
|---|---|---|---|

| | Date | Name |
|---|---|---|
| Drawn | 20.12.2018 | Schneid_A |
| Checked | 20.12.2018 | Knoll_J |
| Approved | ---- | ---- |

| REV | Rev. Text | Name | Rel. Date |
|---|---|---|---|

Nanotec® PLUG & DRIVE

Weight: 0.45 kg

SCA5618X2804-B

01200257

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State: Sample | Rev: - | P