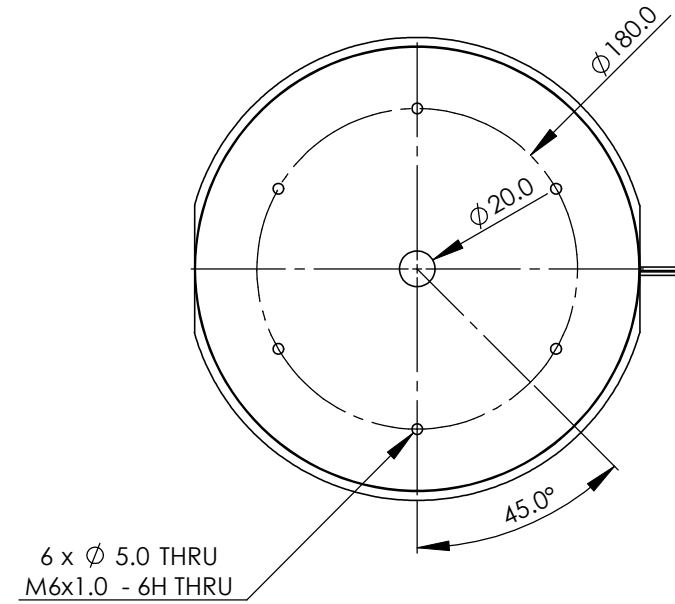
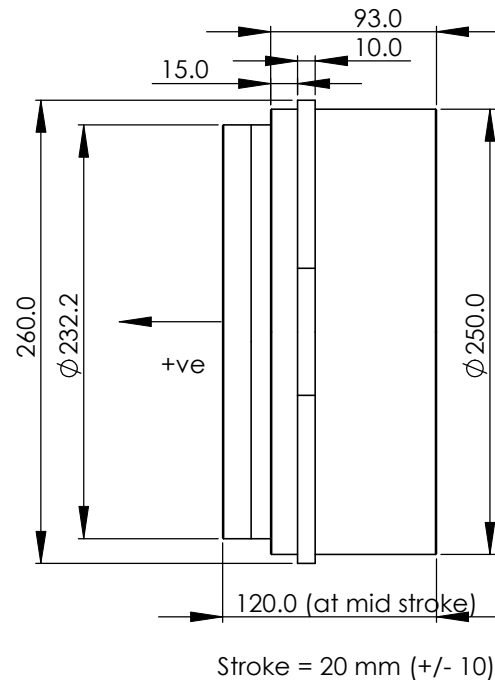
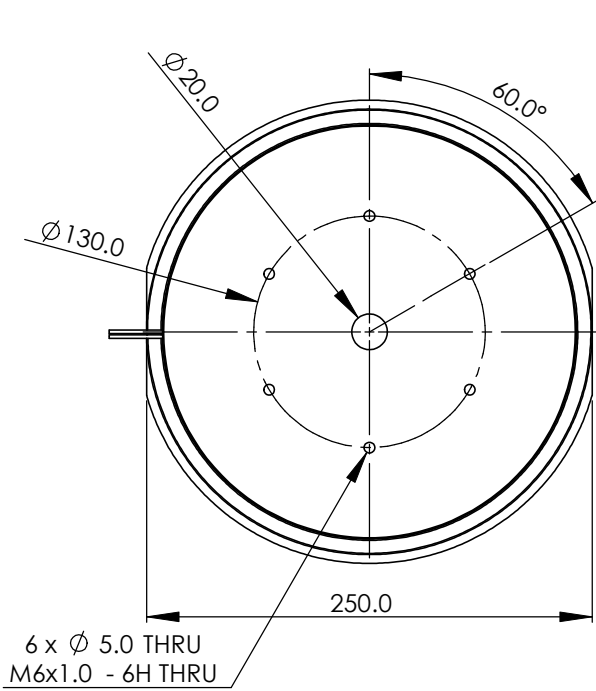
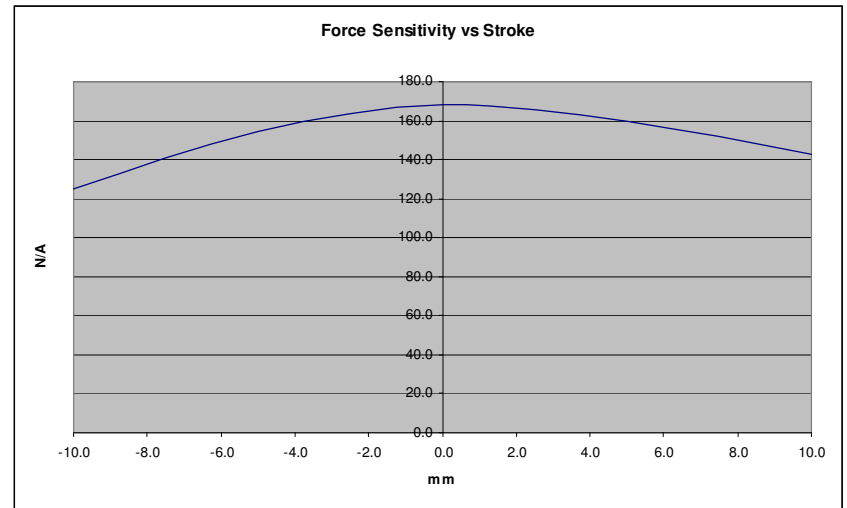


AVM250-D-HF-20 (Rev6.2-29Dec2009)

| Model | Units | Winding 2 |
|--------------------------------------|-----------|-----------|
| Stroke | mm | 20 |
| Force sensitivity (at mid stroke) | N/A | 168.4 |
| Back EMF constant | V/m/s | 168.4 |
| Continuous force (at 100 °C)* | N | 1111.4 |
| Continuous force (at 155 °C)* | N | 1448.2 |
| Peak force | N | 4715.2 |
| Resistance | ohms | 3.7 |
| Inductance | mH | 5.0 |
| Recommended min bus voltage | V | 100.0 |
| Voltage at peak force | V | 103.6 |
| Continuous current (coil at 100 °C)* | A | 6.6 |
| Continuous current (coil at 155 °C)* | A | 8.6 |
| Peak current | A | 28.0 |
| Actuator constant | N/SqRt(W) | 87.55 |
| Electrical time constant | ms | 1.35 |
| Clearance of coil | mm | 0.9 |
| Power at peak force | W | 2900.8 |
| Max coil temperature | °C | 155.0 |
| Coil assembly mass | Kg | 5.9 |
| Core assembly mass | Kg | 27.2 |

| Connections (7 wires) |
|-----------------------|
| Motor + |
| Motor + |
| Motor - |
| Motor - |
| PT100 (+) |
| PT100 (-) |
| Earth |



| | | | |
|--|----------|------------|---|
| REMOVE ALL SHARP EDGES UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS IN mm GENERAL TOLERANCE X ± 0.25mm X.X ± 0.1mm X.XX ± 0.05mm 3rd ANGLE PROJECTION | Design | | Akribis Systems Pte Ltd ©2004. All rights reserved. |
| | Date | 29/12/2009 | |
| | Material | | |
| | Finish | | |
| | Hardness | | |
| Quantity | | | |
| Model: | | | Rev: |
| Title : | | | |
| Drawing No.:(1 OF1) | | | |