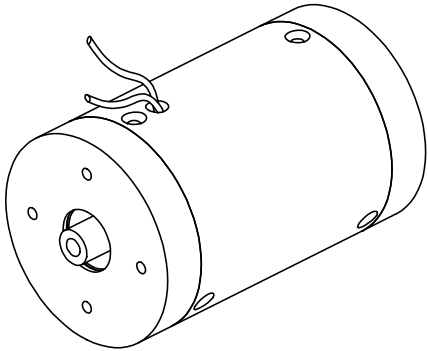
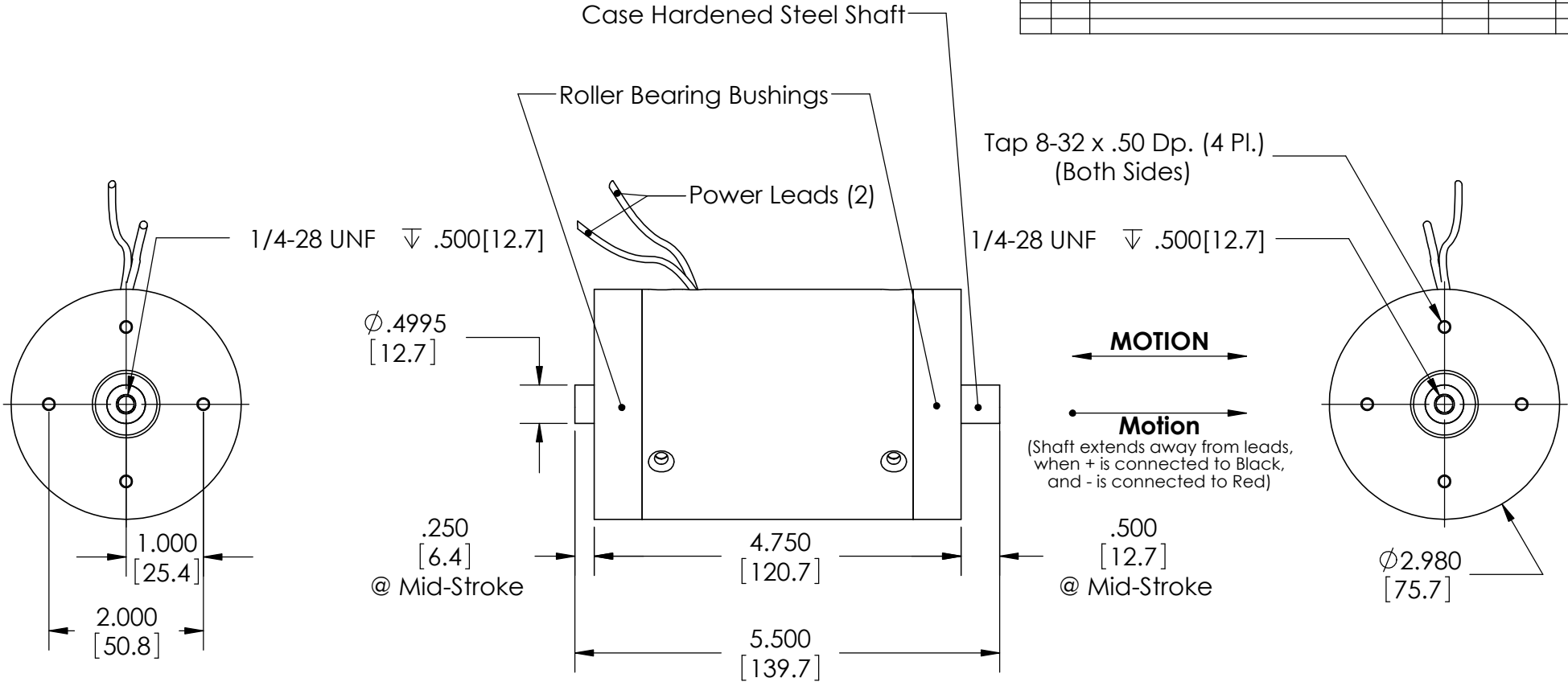
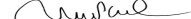


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| REVISION HISTORY | | | | | |
|------------------|-------|------------------|--------|----------|----------|
| REV | ECN # | DESCRIPTION | REV BY | APPROVED | DATE |
| --- | --- | Original Drawing | JRM | MPW | 05-10-13 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
.XXX ±.005 ANGLES ±1°
XX ±.010 FILLETS AND
X ±.020 CORNERS .010
Remove All Burrs and Sharp Edges

| | | | | | | |
|--|-----------------|--------------|-----------------|--|---------|---------|
| RELEASED FOR MFG. | | | | <div>H2W Technologies, Inc.</div> <div>26470 Ruether Avenue #102 Santa Clarita, CA 91350 USA</div> <div>Tel: (661)251-2081 Fax: (661)251-2067</div> <div>www.h2wtech.com</div> | | |
| DATE 03-26-12 | | | | | | |
| BY  | | | | | | |
| MATERIAL | | | | TITLE Non-Comm Moving Magnet Actuator Model# NCM05-28-180-2LBZ | | |
| FINISH | | | | | | |
| DRAWN JRM | DATE 05-10-2013 | APPROVED MPW | DATE 05-10-2013 | DWG # 30-1116 | REV --- | ECN --- |

| MOVING MAGNET NON-COMM ACTUATOR SPECIFICATIONS | | |
|---|---------------------|-------------------|
| Motor P/N | NCM05-28-180-2LBZ | |
| Stroke | 0.50" | 12.7 mm |
| Radial Clearance | N/A in | N/A mm |
| Bearing Type | Linear Bushings | |
| Moving Mass | 1.38 lbs | 706 grams |
| Total Mass | 5.20 lbs | 2442 grams |
| Resistance @ 20C | 10.2 ohms | |
| Inductance @ 20C | 5.1 mH | |
| Electrical Time Constant | 0.50 msec | |
| Motor Constant | 2.71 LBS/SQRT(Watt) | 12.1 N/SQRT(Watt) |
| Force Constant | 8.7 LBS/Amp | 38.6 N/Amp |
| Back EMF | 1.0 V/ips | 38.6 V/m/sec |
| Continuous Force | 18 LBS | 80 N |
| Max Power @ 100% Duty | 44 Watts | |
| Peak Force | 54 LBS | 240 N |
| Max Power @ 10% Duty | 397 Watts | |