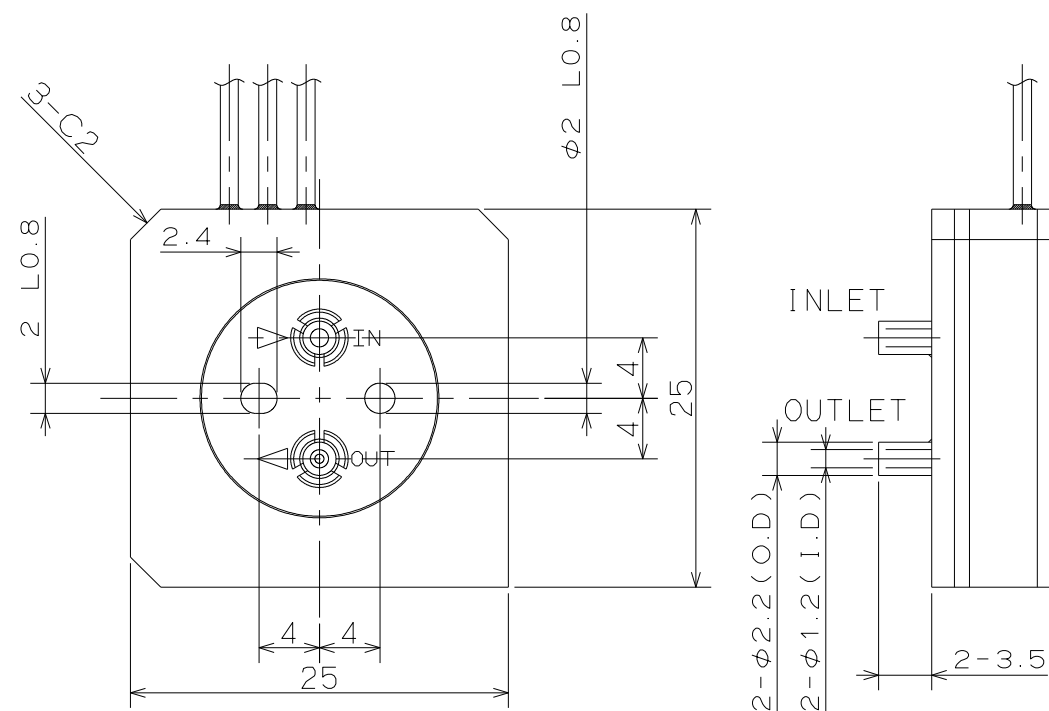
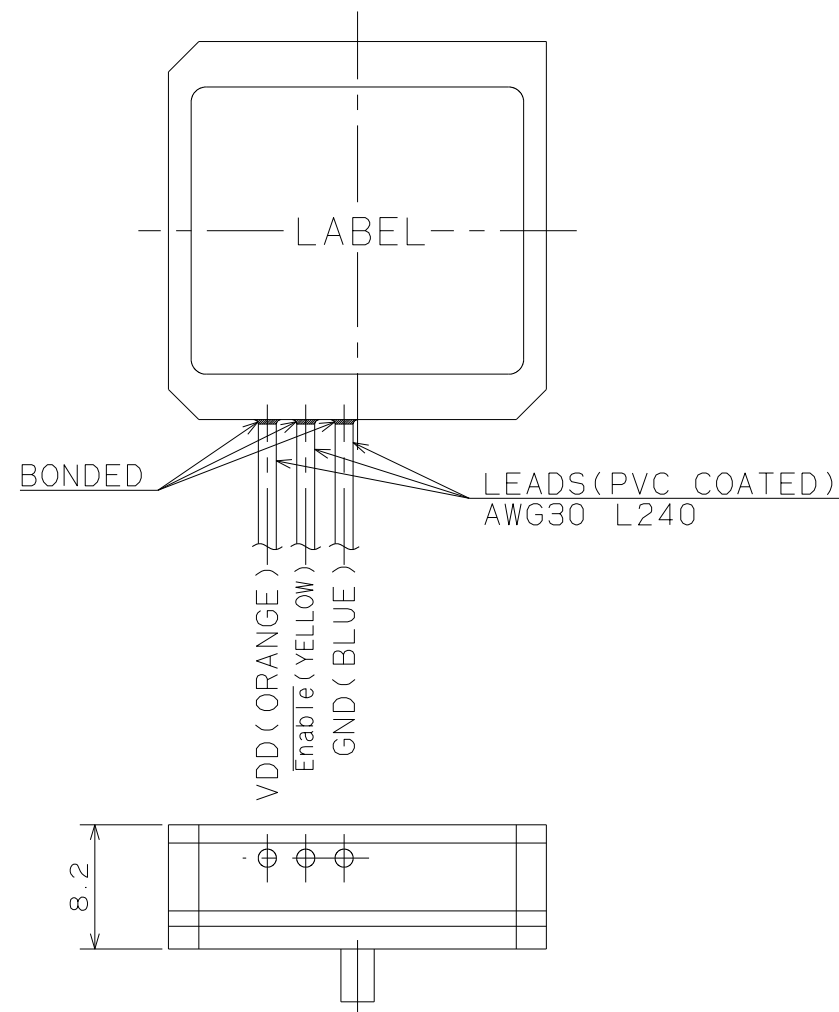




# PIEZOELECTRIC MICRO PUMP

FOR REFERENCE  
ONLY

## SPECIFICATIONS for MODEL SDMP306D

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| MAXIMUM FLOW RATE         | : 7ml/min(Typ.)<br>(DISCHARGE/SUCTION LOAD PRESSURE=0kPa, VDD=5V)              |
| MAXIMUM PUMP PRESSURE     | : 40kPa(typ.)(FLOW RATE=0ml/min, VDD=5V)                                       |
| SUCTION LOAD PRESSURE     | : -1.0kPa(Typ.)                                                                |
| PORT CONNECTION           | : HOSE BARB                                                                    |
| FLUID MEDIA               | : FLUIDS CHEMICALLY COMPATIBLE<br>WITH MATERIALS BELOW                         |
| MEDIA TEMPERATURE RANGE   | : 5 ~ 50℃                                                                      |
| AMBIENT TEMPERATURE RANGE | : 5 ~ 50℃                                                                      |
| STORAGE TEMPERATURE RANGE | : 0 ~ 55℃                                                                      |
| DRIVE METHOD              | : PIEZOELECTRIC ELEMENT                                                        |
| INPUT VOLTAGE             | : 5VDC±5%<br>(INTERNALLY CONVERTED TO APPROX. 250Vp-p(30Hz)<br>FOR PUMP DRIVE) |
| POWER CONSUMPTION         | : 5mW/120mW(REFERENCE)<br>STAND-BY/OPERATING (VDD=5V)                          |

THE ABOVE SPECIFICATIONS ARE BASED ON THE FOLLOWING CONDITIONS

|                          |                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------|
| STANDARD DRIVE CONDITION | : AMBIENT AND FLUID TEMPERATURE: 25℃<br>FLUID MEDIA: PURE WATER<br>INPUT VOLTAGE: 5VDC±5% |
|--------------------------|-------------------------------------------------------------------------------------------|

### WETTED MATERIALS

|                                      |          |       |      |
|--------------------------------------|----------|-------|------|
| ELASTOMER DIAPHRAGM                  | EPDM     | 2     |      |
| PLASTICS DIAPHRAGM                   | COC      | 1     |      |
| DOWN SIDE PUMPHOUSING                | COC      | 1     |      |
| UP SIDE PUMPHOUSING                  | COC      | 1     |      |
| PART NAME                            | MATERIAL | REQD. | NOTE |
| PIEZOELECTRIC MICRO PUMP<br>SDMP306D |          |       |      |