

FOR REFERENCE ONLY

# PIEZOELECTRIC MICRO PUMP

## SPECIFICATIONS for MODEL SDMP306D

- △ FLOW RATE : 7ml/min(Typical)  
(DISCHARGE/SUCTION LOAD PRESSURE=0kPa)
- △ PUMP PRESSURE : 40kPa(Typical)(FLOW RATE=0ml/min)
- SUCTION LOAD PRESSURE : -1.0kPa(Typical)
- PORT CONNECTION : HOSE BARB
- FLUID MEDIA : FLUIDS CHEMICALLY COMPATIBLE WITH MATERIALS BELOW
- MEDIA TEMPERATURE RANGE : 5 ~ 50°C
- AMBIENT TEMPERATURE RANGE : 5 ~ 50°C
- STORAGE TEMPERATURE RANGE : 0 ~ 55°C
- DRIVE METHOD : PIEZOELECTRIC ELEMENT
- INPUT VOLTAGE : DC5V±5%  
(PUMP OPERATION AREA OPERATE ABOUT 250V<sub>p-p</sub>, 30Hz BY INNER INCREASING VOLTAGE CIRCUIT.)
- △ POWER CONSUMPTION : 5mW(REFERENCE, NON-OPERATION)  
120mW(REFERENCE, OPERATION)

THE ABOVE SPECIFICATIONS ARE BASED ON THE FOLLOWING CONDITIONS

- △ STANDARD OPERATING CONDITION : AMBIENT AND FLUID TEMPERATURE:25°C  
FLUID MEDIA:PURE WATER  
INPUT VOLTAGE(VOD):DC5V±5%  
TUBING: I.D. 1/16in LENGTH 40mm

### WETTED MATERIALS

△			4	ELASTOMER DIAPHRAGM	EPDM	2	
△	'15- 2-16	DOWN SIDE PUMP HOUSING'S SHAPE MODIFIED. STANDARD OPERATING CONDITION MODIFIED. Y.A	3	PLASTIC DIAPHRAGM	COC	1	
△	'14- 3-12	LEADS SIZE, FLOW RATE, PRESSURE, POWER CONSUMPTION MODIFIED. N.S	2	DOWN SIDE PUMP HOUSING	COC	1	
SYM.	DATE	DESCRIPTION	1	UP SIDE PUMP HOUSING	COC	1	
REVISION			PART NO	PART NAME	MATERIAL	REQD.	NOTE
SCALE	APPROVED	CHECKED	DRAWN	PIEZOELECTRIC MICRO PUMP		DRAWING NO	
2/1				SDMP306D		09508-00-E	
A 3							

