PIEZOELECTRIC MICRO PUMP

SPECIFICATIONS for MODEL SDMP302D

DRIVE METHOD : PIEZOELECTRIC ELEMENT
FLOW RATE : 3ml/min (Typ.)
(DISCHARGE/SUCTION LOAD PRESSURE: 0kPa)
PUMP PRESSURE : 40kPa (Typ.) (FLOW RATE: 0ml/min)
SUCTION LOAD PRESSURE : -1.0kPa (Typ.)
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
INPUT VOLTAGE : 5VD ±5%
(INTERNALY CONVERTED TO APPROX. 250VAC.
36V DC FOR PUMP DRIVER)
POWER CONSUMPTION : 5W (REFERENCE: STAND-BY)
120W (REFERENCE: OPERATING)
THE ABOVE SPECIFICATIONS ARE BASED ON THE FOLLOWING CONDITIONS
STANDARD OPERATING CONDITION
AMBIENT AND FLUID TEMPERATURE : 25°C
FLUID MEDIA : PURE WATER
INPUT VOLTAGE (VDD) : 5VD ±5%
TUBE NO : 1.0, 1/32in LENGTH 40mm

WETTED MATERIALS
ELASTOMER DIAPHRAGM : EPDM
PLASTIC DIAPHRAGM : CO2
INLET SIDE PUMP HOUSING : CO2
OUTLET SIDE PUMP HOUSING : CO2

TAKASAGO ELECTRIC, INC.
MIDORI, NAGOYA, JAPAN