PIEZOELECTRIC MICRO PUMP

SPECIFICATIONS for MODEL SDMP302D

MAXIMUM FLOW RATE : 3ml/min(Typ.)
(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 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 : 5VDC±5%
(INTERNALLY CONVERTED TO APPROX. 250VAC±5% FOR PUMP DRIVE)
POWER CONSUMPTION : 5mW/120mA(REFERENCE)
STAND-BY/OPERATING (VDD=5V)

THE ABOVE SPECIFICATIONS ARE BASED ON THE FOLLOWING CONDITIONS

STANDARD DRIVE CONDITION : AMBIENT AND FLUID TEMPERATURE:25°C
FLUID MEDIA:WATER
INPUT VOLTAGE:5VDC±5%

WETTED MATERIALS
ELASTOMER DIAPHRAGM:EPDM 2
PLASTICS DIAPHRAGM:PE 1
INNER SIDE PUMP:HAZED PLASTICS 1
INNER SIDE HOUSING:HAZED PLASTICS 1
PART NAME:PIEZOELECTRIC MICRO PUMP SDMP302D

TAKASAGO ELECTRIC, INC.
MIDORIKU, NAGOYA, JAPAN