PIEZOELECTRIC MICRO PUMP

SPECIFICATIONS for MODEL SDMP302

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
DRIVE VOLTAGE : 60 ~ 250V ro-sine or TAKASAGO STANDARD WAVEFORM
DRIVE FREQUENCY : 10 ~ 60Hz
POWER CONSUMPTION : 20mW (REFERENCE)
(STANDARD DRIVE CONDITION DRIVE FREQUENCY:40Hz)
26mW (REFERENCE)
(STANDARD DRIVE CONDITION DRIVE FREQUENCY:60Hz)

THE ABOVE SPECIFICATIONS ARE BASED ON THE FOLLOWING CONDITIONS

STANDARD OPERATING CONDITION
AMBIENT AND FLUID TEMPERATURE : 20°C
FLUID MEDIA : PURE WATER
OPERATING VOLTAGE : 250V ro-sine wave
OPERATING FREQUENCY : 60Hz
TUBING : J.D. 1/32 in LENGTH 40mm

WETTED MATERIALS

<table>
<thead>
<tr>
<th>PART NAME</th>
<th>MATERIAL</th>
<th>REQ'D</th>
<th>NOTE</th>
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<tbody>
<tr>
<td>ELASTOMER DIAPHRAGM</td>
<td>EPDM</td>
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<tr>
<td>PLASTIC DIAPHRAGM</td>
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<td>4MM SIDE PUMP HOUSING</td>
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<td>CRITICAL PUMP HOUSING</td>
<td>C54</td>
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