PIEZOELECTRIC MICRO PUMP

SPECIFICATIONS for MODEL SDMP306

FLOW RATE
: 7m/min (Typical)
(DISCHARGE/SUCTION LOAD PRESSURE=0kPa)

PUMP PRESSURE
: 45kPa (Typical) (FLOW RATE=0m/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

DRIVE VOLTAGE
: 60 ~ 250Vp-p (SINE OR TAKASAGO STANDARD WAVE FORM)

DRIVE FREQUENCY
: 10 ~ 60Hz

POWER CONSUMPTION
: 22mW (REFERENCE STANDARD DRIVE CONDITION
DRIVE FREQUENCY: 40Hz)
32mW (REFERENCE STANDARD DRIVE CONDITION
DRIVE FREQUENCY: 60Hz)

THE ABOVE SPECIFICATIONS ARE BASED ON THE FOLLOWING CONDITIONS

STANDARD DRIVE CONDITION
: AMBIENT AND FLUID TEMPERATURE: 25°C
FLUID MEDIA: PURE WATER
DRIVE VOLTAGE: 250Vp-p (SINE WAVE)
DRIVE FREQUENCY: 40Hz

WETTED MATERIALS

<table>
<thead>
<tr>
<th>PART NAME</th>
<th>MATERIAL</th>
<th>PDQ</th>
<th>NOTE</th>
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</thead>
<tbody>
<tr>
<td>DIAPHRAGM</td>
<td>TPE</td>
<td>1</td>
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</tr>
<tr>
<td>HOSE BARB</td>
<td>PVC</td>
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<tr>
<td>HOSE BARB</td>
<td>PCU</td>
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