SUPPLY VOLTAGE: 4.5V TO 30V DC REGULATED
SUPPLY CURRENT: 10mA MAX WITH NO OUTPUT LOAD
OUTPUT TYPE: OPEN COLLECTOR, 30V MAX.
OUTPUT SATURATION VOLTAGE: 0.6V MAX @ 25mA
PROTECTION: REVERSE POLARITY AND OUTPUT SHORT CIRCUIT
OPERATING FREQUENCY: 0Hz TO 15kHz
AIR GAP: 0.100" (SEE NOTE 1)
DUTY CYCLE: 50% ± 25% DEPENDENT ON TARGET GEOMETRY
PHASE SHIFT: 90° ± 45° DEPENDENT ON TARGET GEOMETRY (SEE ALIGNMENT)
ALIGNMENT: 12P (2M) SPUR GEAR CONTACT FACTORY FOR CUSTOM ALIGNMENT
OPERATING TEMPERATURE: −40°C TO 125°C
STORAGE TEMPERATURE: −40°C TO 125°C
MATING CONNECTOR: MIL-DTL-26482 TYPE 10–6SN
ENVIRONMENT RATING: IP68

NOTES:

1. AIR GAP IS DEPENDENT ON TARGET GEOMETRY AND OPERATING FREQUENCY
   HIGHER OPERATING FREQUENCIES AND FINER PITCH GEARS MAY REQUIRE AIR GAPS
   LESS THAN 0.100"

MOTION SENSORS, INC.
786 PITTS CHAPEL ROAD
ELIZABETH CITY, NC 27909

OUTLINE—SPECIFICATION DRAWING
DUAL HALL EFFECT, OPEN COLLECTOR OUTPUT, FLANGED HOUSING WITH CONNECTOR

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>DRAWN</th>
<th>CHECKED</th>
<th>FINISH</th>
<th>ISSUED</th>
<th>TITLE</th>
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</thead>
<tbody>
<tr>
<td>300 SERIES STAINLESS</td>
<td>W. STANBEUGH</td>
<td>W. PINTZKIND</td>
<td></td>
<td>W. PINTZKIND</td>
<td>OUTLINE—SPECIFICATION DRAWING</td>
</tr>
</tbody>
</table>

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE 1/16 INCHES, TOLERANCES OTHER THAN THOSE OF RAW MATERIAL SHALL BE HELD AS FOLLOWS:

<table>
<thead>
<tr>
<th>SIZE</th>
<th>CASE CODE</th>
<th>DWG NO</th>
<th>REV</th>
<th>SHEET</th>
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<tbody>
<tr>
<td>C</td>
<td>OY204</td>
<td>HD-67</td>
<td>B</td>
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