• SUPPLY VOLTAGE: 6V TO 30V DC REGULATED
• SUPPLY CURRENT: 20mA MAX @ NO LOAD
• OUTPUT TYPE: PUSH/PULL, CMOS/TTL (5V)
• OUTPUT SATURATION VOLTAGE HIGH: 0.6V MAX @ 30mA
• OUTPUT SATURATION VOLTAGE LOW: 0.4V MAX @ ~30mA
• 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"

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DIRECTION A

OUTPUT 1

OUTPUT 2

DIRECTION B

OUTPUT 1

OUTPUT 2

TARGET DIRECTION

MAIN KEYWAY NOT ORIENTED TO FLANGE

PIN DESCRIPTION | PIN
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POWER INPUT | A
POWER AND PULSE COMMON | B
OUTPUT PULSE 1 | C
OUTPUT PULSE 2 | D
NO CONNECTION | E
NO CONNECTION | F

MOTION SENSORS, INC.

OUTLINE—SPECIFICATION DRAWING
DUAL HALL EFFECT, PUSH/PULL TYPE TTL/CMOS
(5V) OUTPUT, FLANGED HOUSING WITH CONNECTOR

MATERIAL

300 SERIES STAINLESS

APPROVALS

DRAWN: M. STAUBEUGH DATED: 08/24/98
CHECK: M. Fitzhard DATED: 08/24/98
ISSUED: M. Fitzhard DATED: 08/24/98

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES OTHER THAN THOSE OF RAW MATERIAL SHALL BE HELD AS ALLOWS:

1 PLACE DECIMAL
2 PLACE DECIMAL: ±0.005
3 PLACE DECIMAL: ±0.0005
4 PLACE DECIMAL: ±0.00005

CONFIDENTIAL PROPERTY OF MOTION SENSORS INC. MUST NOT TO BE DISCLOSED TO OTHER THAN MANUFACTURER, OR USING FOR ANY OTHER PURPOSE, EXCEPT AS AUTHORIZED IN WRITING BY NO.

BY NO., MUST BE RETURNED ON DEMAND.

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