SUPPLY VOLTAGE: 4.5V to 30V DC REGULATED
SUPPLY CURRENT: 10mA MAX @ NO LOAD, BOTH OUTPUTS HIGH
OUTPUT TYPE: SUPPLY TRACKING, OPEN COLLECTOR
OUTPUT LOGIC LOW (VoL): 0.6V MAX @ 25mA
OUTPUT LOGIC HIGH (Voh): (Vs – 0.2V) X (RL / (2.2K + RL)) TYPICAL
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 (2N) 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"

MAIN KEYWAY NOT ORIENTED TO FLANGE

0.118 ORIENTATION PIN

DIRECTIONS:
A
B

Gears:
Direction A: Output 1: Lead, Output 2: Lag
Direction B: Output 1: Lag, Output 2: Lead

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

CONTACTS:

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

DRAWN: W. STANKOWSKI
CHECK: W. LEISSMAN
ISSUED: W. LEISSMAN

DATE: 08/27/98

SCALE: NONE

TITLE: OUTLINE-SPECIFICATION DRAWING
DUAL HALL EFFECT, OPEN COLLECTOR TYPE
SUPPLY TRACKING OUTPUT, FLANGED HOUSING
WITH CONNECTOR

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