• SUPPLY VOLTAGE: 6V TO 30V DC REGULATED
• SUPPLY CURRENT: 20mA MAX @ NO LOAD
• OUTPUT TYPE: PUSH/PULL, SUPPLY TRACKING
• 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

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"

#20AWG 4 CONDUCTOR SHIELDED CABLE, HALOGEN FREE
NO ACCESSIBLE INTERNAL THREADS
CONTACT FACTORY FOR OPTIONS
1" HEX
5/8" X 18
LOCK NUT, 3/4 HEX

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

OUTLINE—SPECIFICATION DRAWING
DUAL HALL EFFECT, PUSH/PULL TYPE SUPPLY
TRACKING OUTPUT, 5/8" X 18 THREADED
HOUSING WITH CABLE