Permanent magnet alternator
Model 5492

Model 5492 provides electrical power for a FADEC system used on the PW PT6, a Pratt & Whitney Canada engine used for the JPATS trainer.

The rotor is a sleeved unit employing high energy magnets. The stator comprises epoxy bonded laminations and a continuous three phase winding. A cast aluminum housing locates the stator and interfaces with the mounting pad. The alternator is gear driven from an engine accessory gear box.

Specifications

Overspeed:
16,884 RPM

Ambient:
-54 C to 177 C

Cooling:
Convection

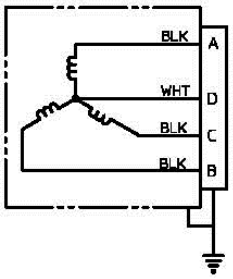
Electrical:
3 phase WYE windings

Weight:
1.85 lbs

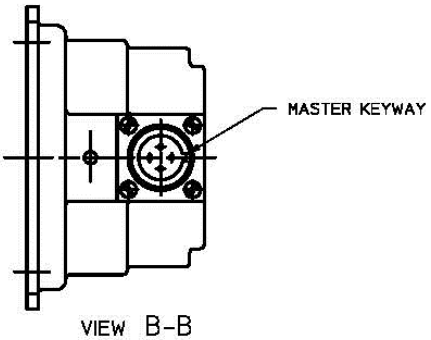
Altitude:
0 to 50,000 ft

Compliance:
MIL-STD-461B

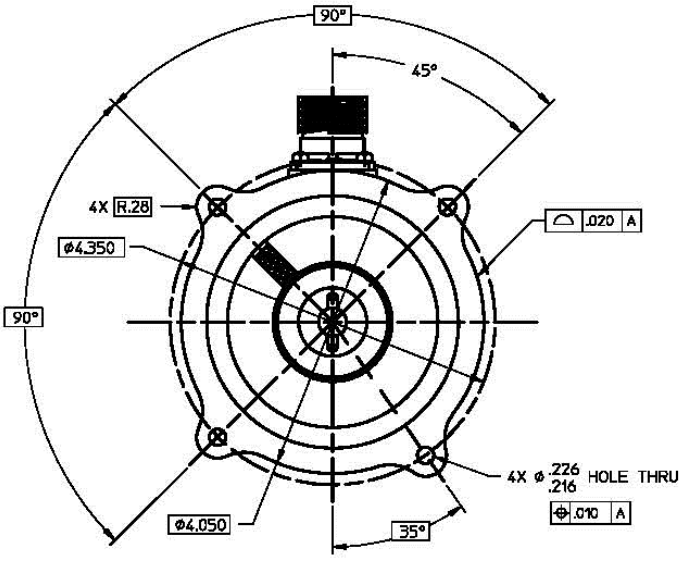
MEGGiTT
smart engineering for
extreme environments

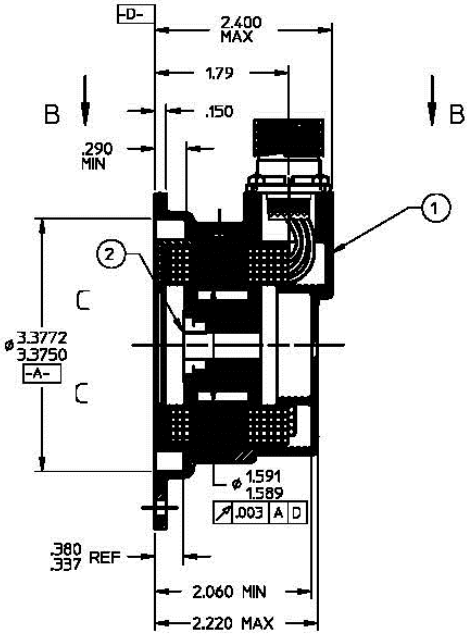


CONNECTION DIAGRAM

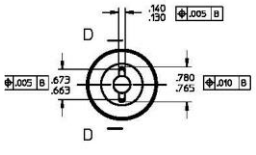


VIEW B-B

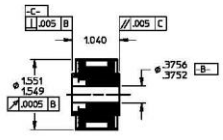




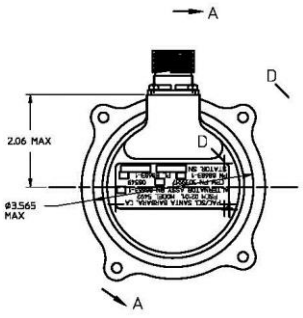
SECTION A-A



VIEW C-C



SECTION D-D



SECTION D-D

OECO

4607 SE International Way
Milwaukie OR 97222
USA

Tel: +1 (503) 659 5999

www.oeco.com
www.meggitt.com

MEGGiTT
smart engineering for
extreme environments