Permanent magnet alternator
Model 5494

Model 5494 provides electrical power for a FADEC system used on the Arius, a Turbomecca helicopter engine.

The rotor is a sleeved unit employing high energy magnets. The stator comprises epoxy bonded laminations and a wye-connected 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:
13,791 RPM

Ambient:
-54 C to 177 C

Cooling:
Convection / conduction

Electrical:
3 phase WYE windings

Weight:
.84 lbs

Altitude:
0 to 50,000 ft

Compliance:
MIL-STD-461B
RTCA DO-160D

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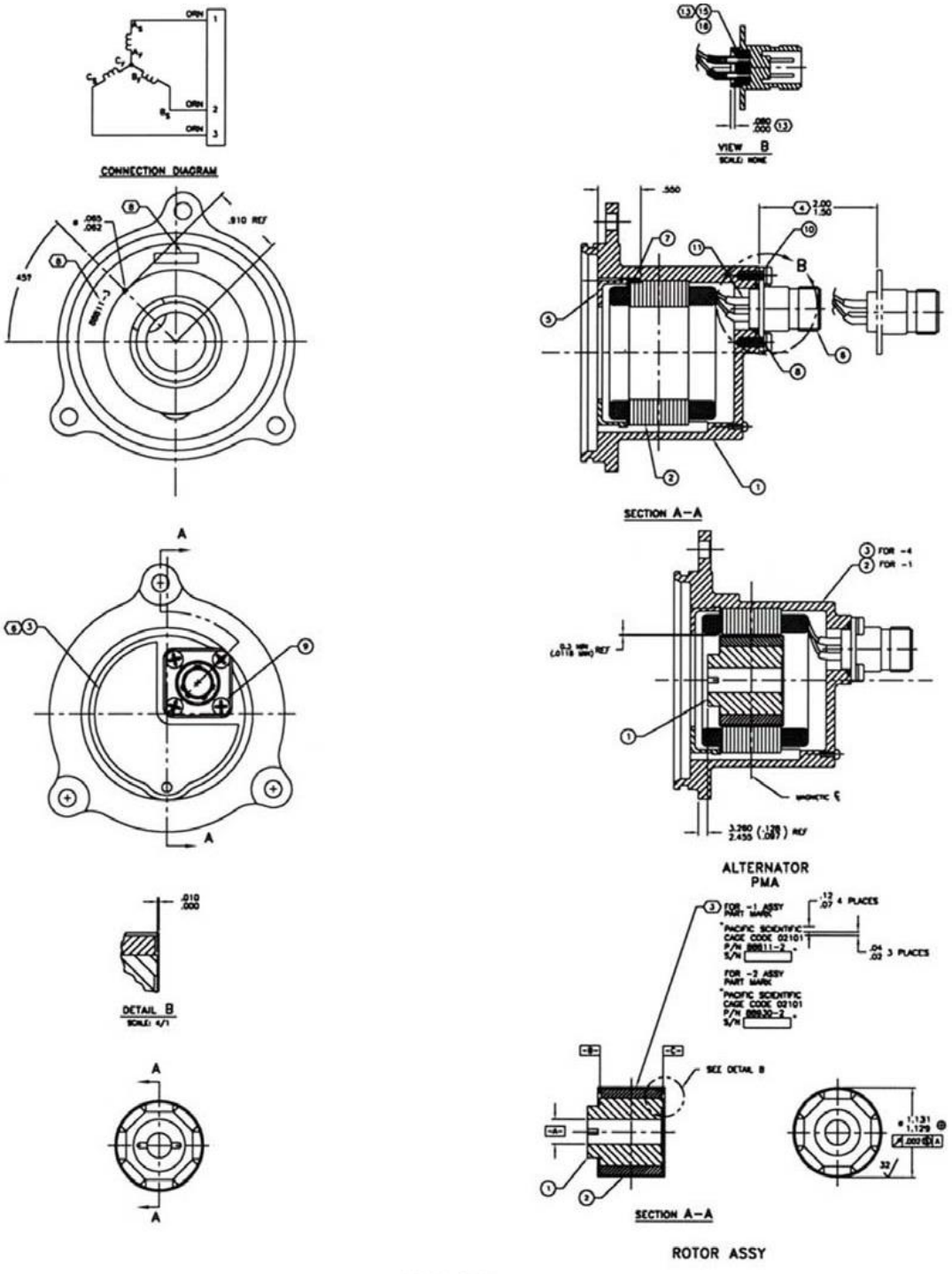

MODEL 5494

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