



Permanent magnet alternator Model 5624

Model 5624 provides electrical power for a missile system powered by a technical directions turbine engine. The unit is supplied as a rotor and stator set that becomes completely integrated within the TDI turbine.

The stator comprises an epoxy-bonded stator stack wound with a "wye"-connected, three phase winding. The rotor comprises four radial magnets bonded onto a hub and retained by a high strength sleeve.



Specifications

Overspeed:

154,000 RPM

Altitude:

0 to 50,000 ft

Weight:

.72 lbs

Ambient:

-50 C to 120 C

Efficiency:

85% at rated load

Cooling:

Convection / Conduction

Compliance:

MIL-STD-461B

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