DATA SHEET

SPECIFICATIONS

MODEL #5608
FLIGHT CONTROL PERMANENT MAGNET DC GENERATOR

LOAD/SPEED CHARACTERISTICS

SPEED (RPM)	VOLTAGE	AMPERES
7,066	28 VDC MIN	8.93 ADC
11,777	48 VDC MIN	8.93 ADC
11,777	SHORT CIRCUIT	27.00 ADC MAX
14,400	85 VDC MAX	1.00 ADC

OVERSPEED: 14,400 RPM FOR 5 MIN

WINDINGS: ONE, 3 PHASE WYE WINDING

COOLING: CONVECTION

AMBIENT: -54°C TO 85°C

ALTITUDE: 0 TO 50,000 FT

WEIGHT: 4.0 LBS MAX

COMPLIANCE: MIL-STD-461B
MIL-STD-462
MIL-STD-810D
MIL-STD-704D

(photo pending)

DESCRIPTION

Model 5608 is a self-contained permanent magnet generator. It provides highly reliable DC power to the flight control electronics of the Bell 609 Tilt Rotor aircraft.

The unit comprises a rotor, a stator, and an output rectifier stage. The rotor is a segmented, sleeved unit, and is supported within the stator by two, highly precise bearings.

The stator comprises epoxy-bonded laminations with a single, three-phase, wye-connected winding. The stator output is connected to the integrated diodes for rectification.

OUTLINE DETAILS