FUNCTIONAL DESCRIPTION

5kW Hi-density complete power motor-driving module
Hi-density motor-driving for actuators:
- primary/secondary flight controls
- Thrust reversers
- Landing gears
- Hybrid power trained engines

TECHNOLOGIES
- 1200V Silicon Carbide Mosfet
- Magneto-resistive current sensors
- Hi-thermal conductive substrate ($\text{Si}_3\text{N}_4$)
- Ag Sinter die attach
- Al SiC baseplate

APPLICATIONS
- Hi-density motor-driving for actuators:
  - primary/secondary flight controls
  - Thrust reversers
  - Landing gears
  - Hybrid power trained engines

FEATURES & ASSETS
- Input voltage 540Vdc
- Output current 10A per phase
- Dimensions: 100mm x 100mm x 20mm
- Power density 25kW/L

PHYSICAL DESCRIPTION
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THALES
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