



MODULAR DEVICES, INC.

ONE RONED ROAD ■ BROOKHAVEN R&D PLAZA ■ SHIRLEY, NY 11967 (631) 345-3100

An ISO 9001:2015 Registered Company

New Product Release:

Introducing MDI's 53852 and 53853 -195C Cryogenic Operating 10A/600VDC SSR's to support Planetary Exploration Applications

Derived from MDI's proven product line of Rad Hard SSR's, MDI now offers radiation hardened solid state relays capable of -195C operation. The intended application is for power switching on space missions where extreme cold temperature environments make heating impractical or impossible. This power switching function also complements MDI's the functionality of MDI's -195C DC-DC converters.

Model 53852 is a form B (normally Closed) SSR rated at 600V and 10 Amperes.

Model 53853 is a form A (normally Open) SSR rated at 600V and 10 Amperes.

These SSRs are packaged in hermetic cases 1.45" by 1.12" by 0.330" high. Mass is less than 40 grams.

Isolation is 1000 VDC input/output to case. On resistance is typically 100 milliohms. Response time is typically less than 25 microseconds.

Detailed 53852/53853 information can be found at www.mdipower.com.

July 2024