



VPT RadHard DCDC Converter for Space Applications

If your program is headed for the final frontier and your system requires space-qualified, MIL-PRF-38534 Class H or Class K power, rely on VPT.

Create your power distribution system with a complete array of DC-DC converters, point of load converters, and EMI filters in varying TID and SEE levels to fit your LEO, MEO, GEO, deep space, or launch program.

VPT offers two series of standard DC-DC converters and accessories designed, tested, and proven for the challenging environment of space. VPT is currently the only supplier able to offer products designed and manufactured in accordance with Aerospace Corporation's TOR requirements.



The SVR Series

- TID: 100 krad(Si)
- SEE: 85 MeV-cm²/mg
- Developed for TOR Compliance
- MIL-PRF-38534 Class K
- On DLA SMDs
- DLA-approved RHA plan

The SV Series

- TID: 30 krad(Si)
- SEE: 44 MeV-cm²/mg
- Developed for TOR Compliance
- MIL-PRF-38534 Class K
- On DLA SMDs
- DLA-approved RHA plan

Around the world, VPT customers are launching space programs powered by VPT. Organizations including NASA, ESA, SpaceX, Lockheed Martin, Orbital, and many others regularly rely on VPT's proven power solutions to power critical space missions.

With decades of proven spaceflight heritage, standard military designs, and engineering models for fast design and prototyping, VPT is your key to getting your mission off the ground today. To begin, choose the product series from the table below.

Max. Output Watt	Model Series	Input Voltage VDC	Output Voltage V	Total Dose	Single Event SEE
6	SVSA2800S	15-50	Single 3.3, 5, 5.2, 12, 15	30 krad(Si) with ELDRS	44 MeV-cm ² /mg
6	SVSA2800D	15-50	Dual ±5, ±12, ±15	30 krad(Si) with ELDRS	44 MeV-cm ² /mg
15	SVRHF2800S	18-37.5	Single 3.3, 5, 12, 15	100 krad(Si) with ELDRS	85 MeV-cm ² /mg
15	SVRHF2800D	18-37.5	Dual ±5, ±12, ±15	100 krad(Si) with ELDRS	85 MeV-cm ² /mg
20	SVHF2800S	15-50	Single 2.5, 3.3, 5, 12, 15	30 krad(Si) with ELDRS	44 MeV-cm ² /mg
20	SVHF2800D	15-50	Dual ±5, ±12, ±15	30 krad(Si) with ELDRS	44 MeV-cm ² /mg
40	SVTR2800S	15-50	Single 3.3, 5, 12, 15	30 krad(Si) with ELDRS	44 MeV-cm ² /mg
40	SVTR2800D	15-50	Dual ±5, ±12, ±15	30 krad(Si) with ELDRS	44 MeV-cm ² /mg
40	SVRTR2800S	18-37.5	3.3, 5, 12, 15	100 krad(Si) with ELDRS	85 MeV-cm ² /mg
40	SVRTR2800D	18-37.5	Dual ±12, ±15	100 krad(Si) with ELDRS	85 MeV-cm ² /mg
100	SVRFL2800S	18-37.5	3.3, 5, 12, 15	100 krad(Si) with ELDRS	85 MeV-cm ² /mg
100	SVRFL2800D	18-37.5	Dual ±5, ±12, ±15	100 krad(Si) with ELDRS	85 MeV-cm ² /mg
120	SVFL2800S	16-40	Single 3.3, 5, 12, 15	30 krad(Si) with ELDRS	44 MeV-cm ² /mg
120	SVFL2800D	16-40	Dual ±5, ±12, ±15	30 krad(Si) with ELDRS	44 MeV-cm ² /mg

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