



MCOTS Converters and Filters

Ruggedized Power Converters and Filters Manufactured to Comply with a Wide Range of Military Standards

The Mil-COTS product lines bring SynQor's field proven high-efficiency synchronous rectifier technology to the Military/Aerospace industry

Isolated DC-DC Converters

- Product Family: Mil-COTS
- High efficiency up to 95%
- Input voltage ranges from 9 V to 425 V
- Output power up to 800 W
- Conduction cooled, ruggedized package

DC Filters

AC Line Filters

3-Phase AC Line Filters

- Product Family: Mil-COTS
- -40°C to +100°C Operation
- ± 40 V Input Voltage Range; ± 500 V Range; 50 V to 630 V Transient (1s)
- Output currents up to 30 A
- Stabilizing bulk capacitor and damping resistor included

Power Factor Correction Modules

Isolated Power Factor Correction Modules

3-Phase Power Factor Correction Modules

- Product Family: MPFCQor, MPFICQor
- High efficiency up to 94%
- Universal input frequency range 45-65 Hz/360-800 Hz
- Up to 1500 W output power
- ≥ 0.99 Power Factor

DC-DC Bus Converters

- Product Family: Mil-COTS
- 230-400 V input voltage range
- Up to 868 W output power
- Un-regulated 270 V to 31 V intermediate bus converter
- 95% efficiency
- 4250 VDC isolation

High Voltage Non-Isolated DC-DC Converters

- Product Family: Mil-COTS

- Ultra-high efficiency up to 96%
- Wide input voltage ranges: 9-60 V and 9-90 V
- Maximum input/output currents up to 40 A
- Suitable for use in Intermediate Bus Architectures (IBA)

Quad Output Non-Isolated DC-DC Converters

- Product Family: Mil-COTS
- High efficiency up to 93%
- Input voltage range: 6-15 V
- Maximum output currents up to 30 A on positive outputs
- Suitable for use in traditional Distributed Power Architectures (DPA)

MCOTS Screening