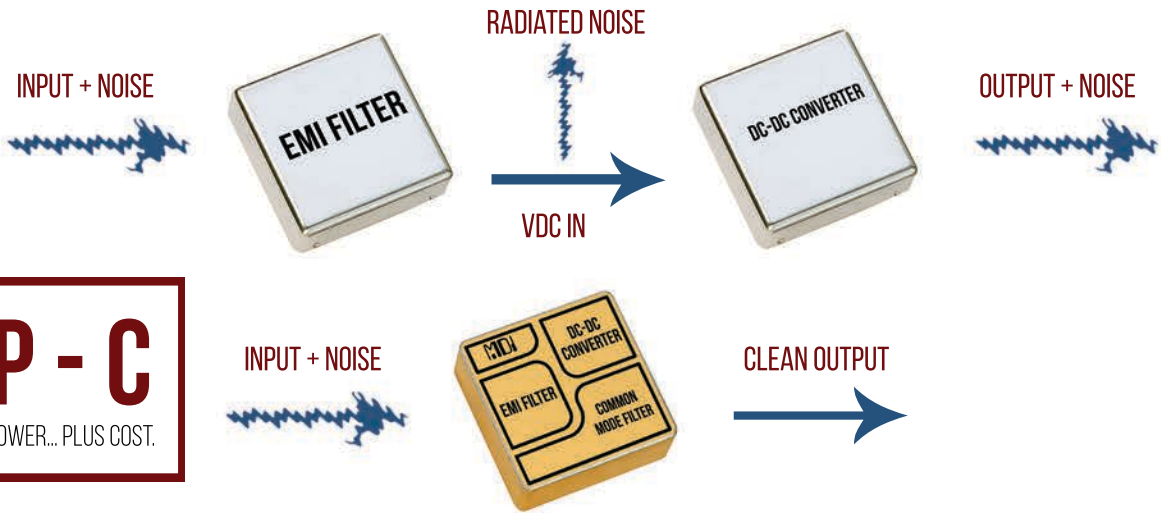


OVERCOME **SWAP - C** CONSTRAINTS WITH **MDI** DC-DC CONVERTERS



SWAP - C
 SIZE, WEIGHT AND POWER... PLUS COST.

SIZE AND WEIGHT SAVINGS - (PCB FOOTPRINT)

AVERAGE SIZE AND WEIGHT SAVINGS - IMPLEMENTING MDI DC-DC CONVERTERS WITH INTEGRATED EMI FILTERING

77% FOOTPRINT **48%** VOLUME **78%** WEIGHT

39% FOOTPRINT **65%** VOLUME **36%** WEIGHT

HIGH REL MIL GRADE LEVEL

High Rel Mil grade level 5W single output 5W equivalent parts from three other suppliers were compared on size, volume, and weight. The MDI solution provided an average savings over alternate solutions.

SPACE QUAL'D (100K RAD)

For Space Qual'd (100K Rad) Type single output 10W equivalent parts, the MDI solution provided an average savings over alternative solutions.

MIL-STD-461 EMI PERFORMANCE CHARACTERISTICS

With MDI's Single Package approach, there is no post filter noise ingress point between filter output and the DC-DC converter input as they are both contained (including a common mode output spike filter) within the hermetically sealed shielded enclosure.

COST ADVANTAGE

When adding the additional labor and indirect costs of building two parts, the MDI advantage becomes obvious.



Modular Devices, Inc.
 Power Conversion for Space and Military/Aerospace

**MDI'S SINGLE PACKAGE DESIGN
 EXCEEDS YOUR SWAP-C REQUIREMENTS**