

50W DC-DC Military Power Module

DC-DC converter modules designed with high efficiency technology to the Military/Aerospace industry. Flexible design according to requirements. Standard dimensions and interfaces. High power density modules with internal protection features. Small size for special applications.



Specifications

DESCRIPTION	UNIT	VALUE
Input Voltage	VDC	16-50
Output Voltage	VDC	5
Output Current (continious)	A	10
Output Wattage (continious)	W	50
Efficiency (Full Load)	%	80
Output Voltage Regulation	mV	320
Max. Output Current	A	10
Max. Output Wattage	W	50
Series Operation	-	Yes
Parallel Operation	-	Yes
Power On Signal (Enable)	-	High
Remote On/Off	-	Yes
Overtemperature Protection	-	Yes
Overvoltage Protection	-	Yes
Overcurrent Protection	-	Yes
Mil-Std-461F	-	Yes
Mil-Std-810G	-	Yes
Mil-Std-704F	-	Yes
Operating Baseplate Temperature	°C	-55 to +100 °C
Storage Temperature	°C	-55 to +125 °C
Cooling	-	Conduction
Weight	g	12
Size (LxWxH)	mm	16 x 22 x 7.6

Features

- Input Voltage: 16-50 VDC
- Output Voltage: 5 VDC
- Output Power: 50 Watt
- Efficiency: %80
- Dimensions: 16 x 22 x 7.6 mm
- Power Density: 290 W/in³
- Input/Output Isolation: 2 kV
- Series, Parallel
- Qualification Tests:
MIL-STD-461F, MIL-STD-810G, MIL-STD-704F