

Symionix Integrated DC-DC Power Cable Assembly

(Part no. DC70-012P-00)



Description

The Symionix DC-DC Converter is a power device solution integrated within a power cable assembly that takes power from a battery or other sources and converts it into a clean, regulated and isolated 12Vdc output. It is built to withstand harsh and demanding environments, while protecting against moisture, shock, and vibration. The unit has built-in safety features such as over/under voltage protection, surge and transient suppression, and input and output isolation. It has a nominal power rating of up to 120 Watts, with an efficiency rating greater than 95%.

Features

- 9-70VDC(in) - 12VDC(out)
- Best in-class power efficiency (>95%) reduces system power consumption
- High power density, footprint reduction by 65%
- Up to 120W output power
- -40 to 115°C operating range
- Contains built-in protection features against:
 - Input over / undervoltage lockout (OVLO / UVLO)
 - Output overvoltage protection (OVP)
 - Overtemperature protection (OTP)
 - Overcurrent
 - Short Circuit
- Integrated power cable(M12 termination to lead wires):
 - inline with cable for ease of installation
 - reduce installation effort
 - reduce maintenance/replacement time
- IP67 ingress protection
- EMC Compliant (pending)
- Shock & Vibration EN50155 (EN61373) Compliant
- Vibration and shock to MIL-STD-202G(pending)

Specifications are indicative and subject to change. Actual performance will vary depending on the application and operating conditions. Users should satisfy themselves that the product is suitable for use in the intended application. All our products carry a limited warranty against defects in material and workmanship.