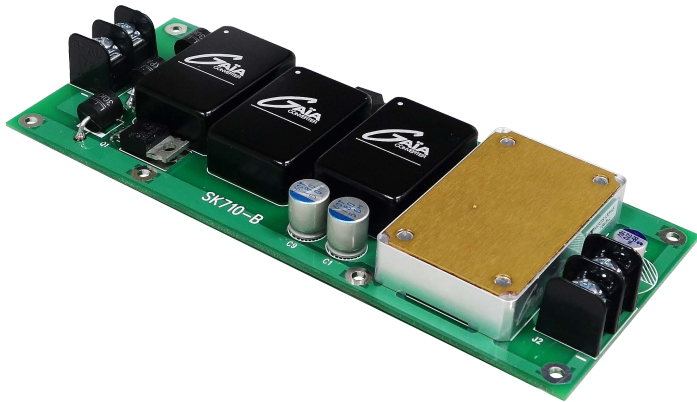


SK710

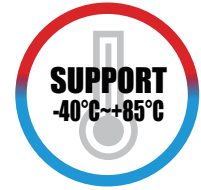
PERFECTRON

150W Military Standard DC/DC Converter Module with Gaia Solution
12V to 40V Input /12V Output, Extended Temp. -40 to 85°C



Main Features

- Wide Input Range: 12V to 40V DC
- 12V DC Output up to 12.5 Amp
- Over voltage protection
- Over current protection
- Surge protection
- Compact size
- High efficiency (typ. 86%-90%)
- Military Standard Compliance
- Extended Temperature -40°C to 85 °C (with conduction cooling)



► Specifications

Input Voltage	12V to 40V
Output	150W, 12V @ 12.5 A Ps. (12V workable with derating 114W)
Performance Characteristic	Ripple: <300m Line Regulation: <100 mV Load Regulation: <100 mV Efficiency: (typ. 86%-90%)
Operation Temperature	-40 to 85°C
Dimension	170(L) x 70(W) mm

► Input/Output Connector

Voltage Input

Pin Number	Assignment
+	12V to 40V
GND	GND

Voltage Output

Pin Number	Assignment
+	12V
GND	GND

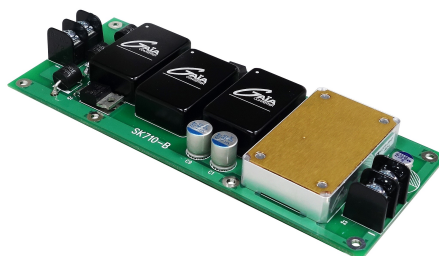
► Certification

Military Standard Compliance	MIL-STD-461E MIL-STD-1275/A/B/C/D MIL-STD-704A/F DO-160D/E MIL-STD-810
UL/CSA/EN Standard Compliance	UL/CSA/EN 60950

► Ordering Information

Modules

Model Number	Description
SK710	150W DC/DC Converter Module with 12V to 40V Input 12V Output (-40 to 85°C)



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*All specifications and photos are subject to change without notice.

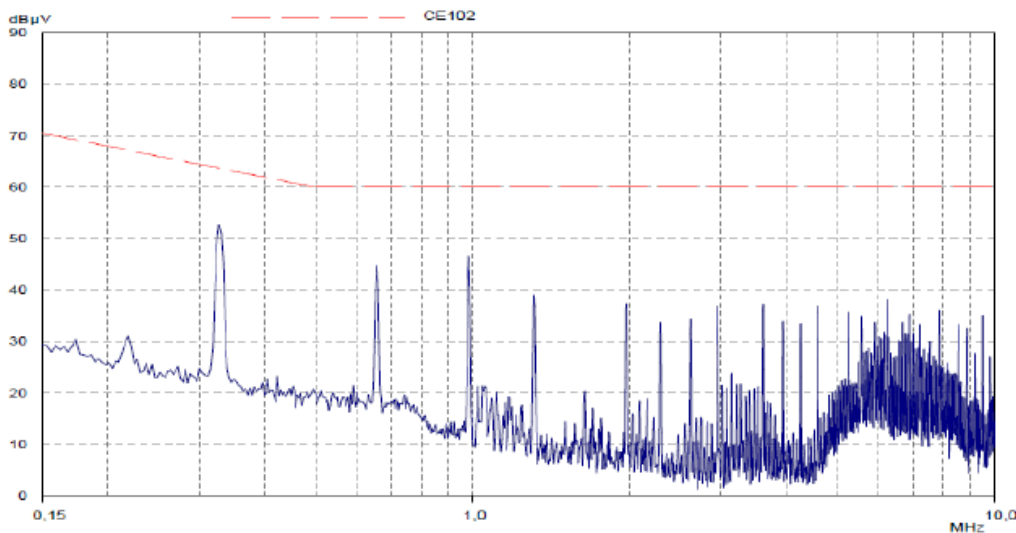
► MIL-STD-1275/704 Power supply with Voltage transient protections

SK710 is a wide input board type converter supporting input range from 12V to 40V. Possessing military standard filter for EMI avoidance, SK710 guarantees the stability of voltage and electric current for system operation, especially suitable for application in military or other harsh environment. Furthermore, with parallel design, two SK710 can be combined for double power of 150W, supporting prominent system performance. Compliant with MIL-STD 1275/704/461, DO-160F and extended operating temperature from -40 to 85°C, SK710 performs as an ideal converter module for severe environmental usage.

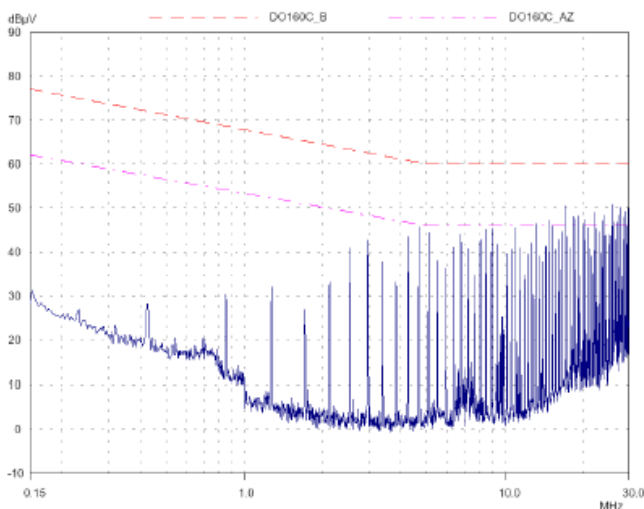
The GAIA Hi-Rel DC/DC CONVERTER it also provides Undervoltage Lockout (UVLO), Output Over Current Protection (OCP), Output Overvoltage Protection (OVP) and Over Temperature Protection (OTP) to made stability and safty.



Module Compliance with MIL-STD-461C/D/E Standards



MIL-STD-461E : MGDS-15x-H-J with FGDS-10A-50V



DO-160G : MGDS-15x-H-J with FGDS-10A-50V

