

IRT40

Isolated 9~36V to 12V 40W DC/DC Converter Module



KEY FEATURES

- High efficiency DC-DC Converter Module
- Low inrush current
- Output over-current protection
- Wide range voltage input



SPECIFICATIONS

System Specification

Input Voltage	9V to 36V DC	Load Range	12V 3.3A
Power Consumption	40W	Isolation	Yes
Ripple And Noise	Less than 120mV	Line Regulation	Less than $\pm 1\%$ at rated 9~36V input voltage
Load Regulation	Less than $\pm 5\%$	Efficiency	Up to 90% (Full loading)
Protection	OCP protection OVP protection		

Certification

Certification CE, FCC

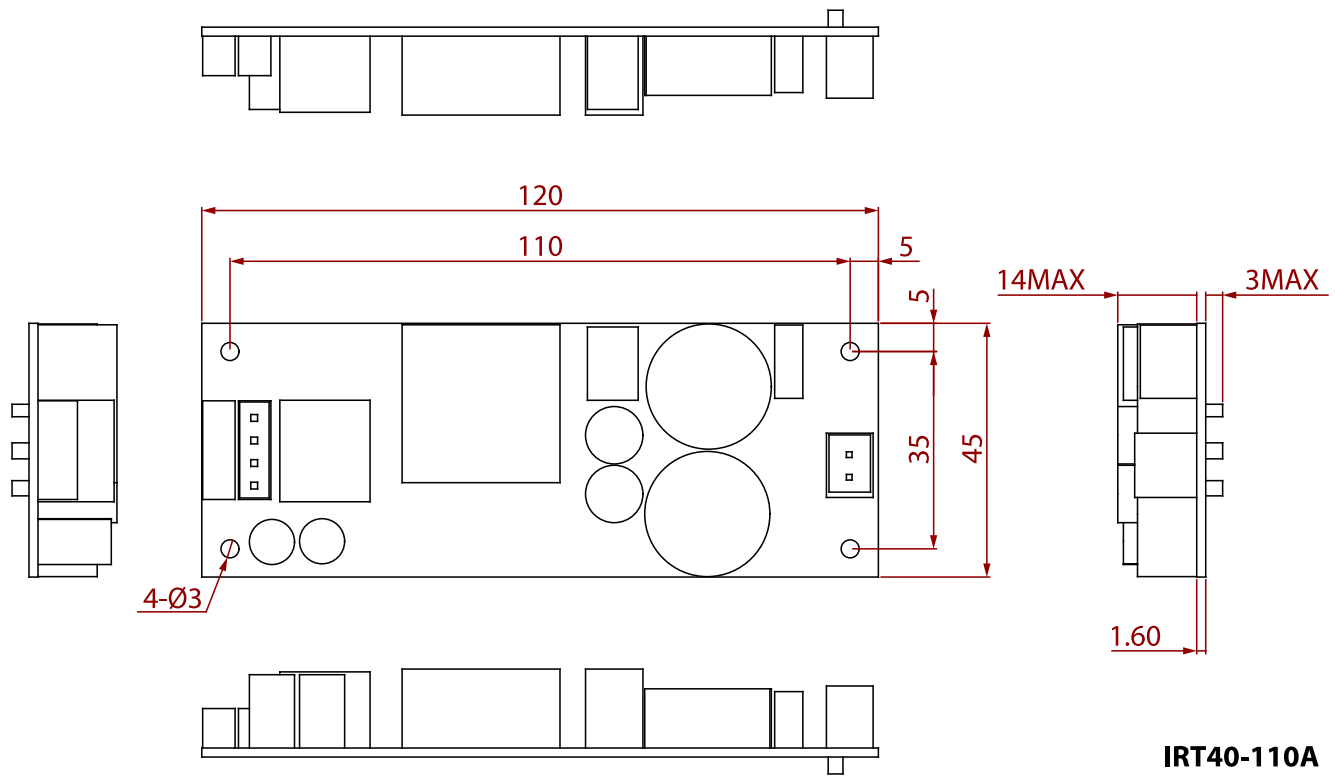
Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 70°C	Altitude	0 to 10000ft

Mechanical

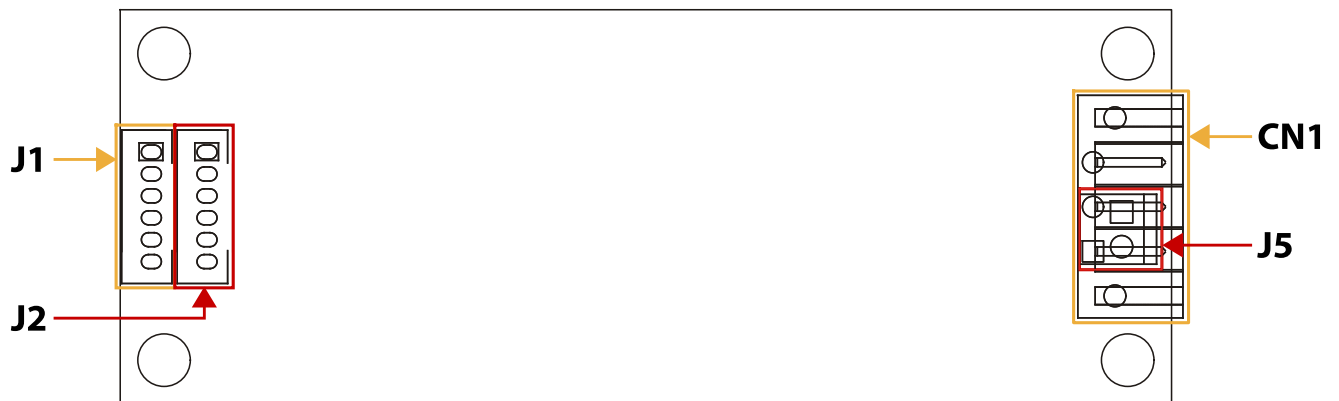
Dimension 120 x 45 x 18.6 mm

DIMENSIONS UNIT:MM



IRT40-110A

Pin Assignment:



CN1: Power Jack

Connector Type: Terminal Block 3P DT-29

Pin	Symbol
1	DC 9-36V Input
2	VIN-
3	GND

J5: ATX 4P input Connector

Connector Type: P:4.2mm DIP180 Molex 87427

Pin	Symbol
1	VIN-
2	VIN-
3	DC 9-36V Input
4	DC 9-36V Input

J1: DC 12V output 1

Connector Type: 16p P: 2.50mm DIP 180 Molex 87427

Pin	Symbol
1	12V
2	GND
3	GND
4	GND
5	12V
6	12V

J2: DC 12V output 2

Connector Type: 16p P: 2.50mm DIP 180 Molex 87427

Pin	Symbol
1	12V
2	GND
3	GND
4	GND
5	12V
6	12V

NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.