

IRT30

Isolated 9~36V to 12V 30W DC/DC Converter Module



KEY FEATURES

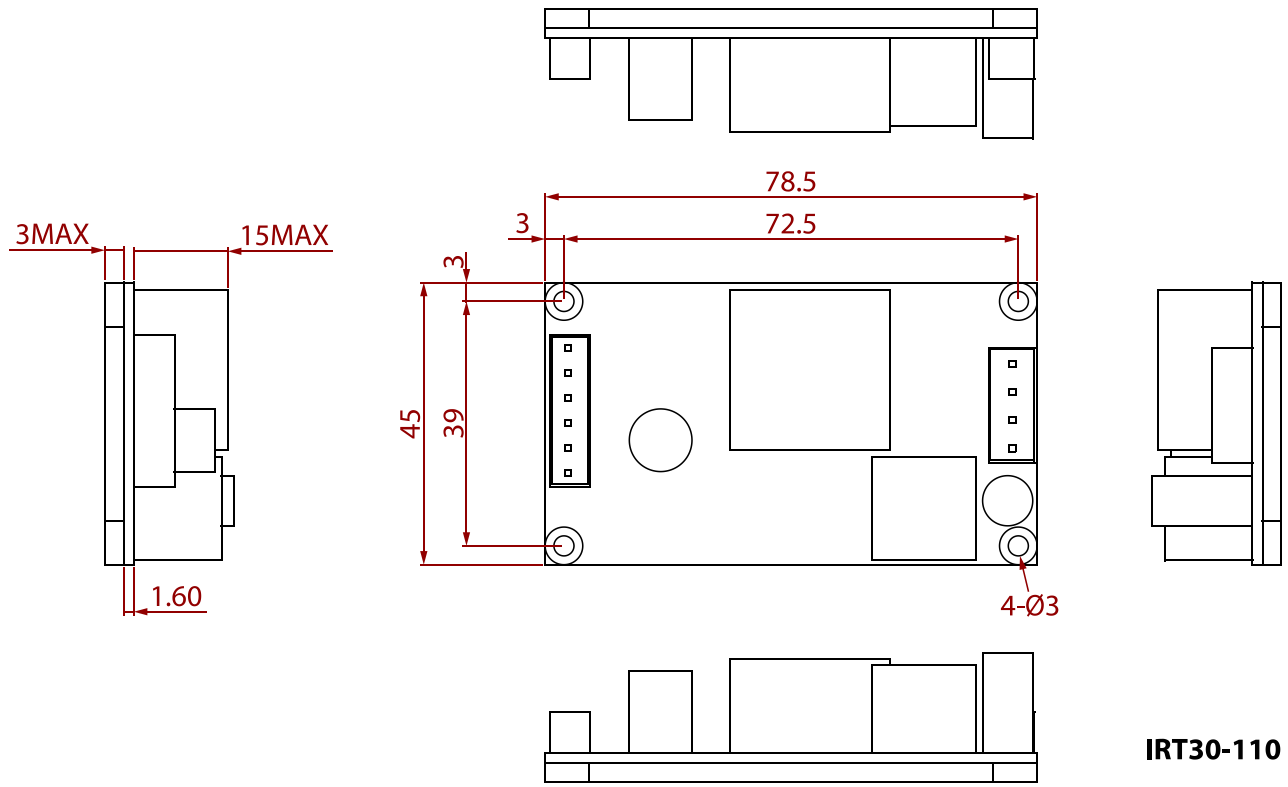
- High efficiency DC-DC Converter
- Low inrush current
- Output over-current protection
- Wide range voltage input



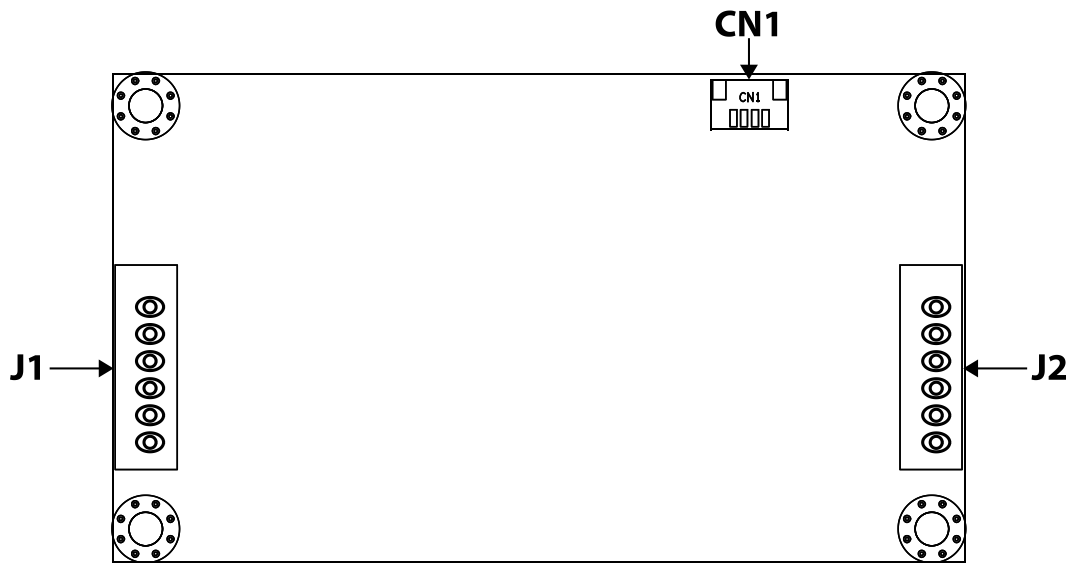
SPECIFICATIONS

System Specification			
Input Voltage	9V to 36V DC	Load Range	12V 2.5A
Power Consumption	30W	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	78.5 x 45 x 19.6 mm		

DIMENSIONS UNIT:MM



Pin Assignment:



J1: DC 12V output

P: 2.5mm

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

CN1: Ignition

JST-BM04B-SRSS-TB

Pin	Symbol
1	VIN
2	LINEUV
3	IGN_ISO
4	GND

J2: Input Connector

P: 2.5mm

Pin	Symbol
1	IGN_ISO
2	VIN-
3	VIN-
4	VIN-
5	VIN+
6	VIN+

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.