

IRT41

Isolated 18~32V to 12V 36W 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	18V to 32V DC	Load Range	12V 3A
Power Consumption	36W	Isolation	Yes
Ripple And Noise	Less than 120mV	Line Regulation	Less than $\pm 1\%$ at rated 18~32V 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 114.1 x 38.6 x 19.6 mm

DIMENSIONS UNIT:MM

J1: input Connector

Connector Type: 4p P: Terminal Block 3P DT-29

Pin	Symbol
1	Vin+
2	Vin-
3	GND

CN1: DC 12V output 1

Connector Type: 4p P: 4p P: 4p P:2.0mm DIP 180°

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

CN2: DC 24V output 1

Connector Type: 4p P: 4p P:1.0mm SMD 180°

Pin	Symbol
1	+24V
2	+24V
3	GND
4	GND

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.