

5-6 Watt, ZC05 Series, DC-DC Converter (Single Output)

- Ultra Wide 4:1 Input Range
- 5 to 6 Watts Depending On Model
- 1600 VDC Isolation
- 24 Pin Dual-in-Line Package Style
- Encapsulated Metal Case
- Very Competitive Prices
- High Efficiency up to 81%
- -25 to +80 °C Operational Temperature Range



Specification (typical values shown)

Input Ranges.....	9~36 Volts and 18~75 Volts
Outputs.....	Single outputs available (see table below)
Line Regulation.....	+/-0.5%
Load Regulation.....	+/-1% (3.3V output models are +/-3%)
Output Ripple.....	<0.2% of Vout
Output Noise.....	<0.5% of Vout
Efficiency.....	See table for each model
Short Circuit Protection.....	Current limit, auto-recovery
Isolation Voltage.....	1600 VDC
Operating Temperature.....	-25 to +70 °C @ full load (12, 15 & 24 Volts O/P) -25 to +55 °C @ full load (3.3 & 5 Volts O/P)
Storage Temperature.....	-55 to +105 °C
Case Material.....	6 sided shielded Aluminium, non conductive base
Switching Frequency.....	300 kHz typical
MTBF.....	>1,000,000 hrs @ 25°C (MIL-HDBK-217F)
Warranty.....	3 Years

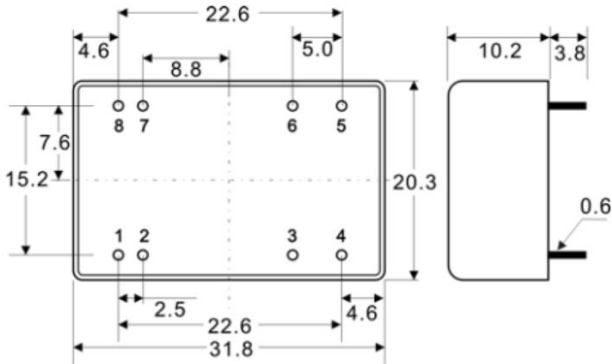
Models and Ratings

Model (9~36V input)	Model (18-75V input)	Output (VDC)	Output Current	Efficiency
Single Output Models				
ZC05-24F-3.3S-AP	ZC05-48F-3.3S-AP	3.3 V	1520 mA	72% / 74%
ZC05-24F-5S-AP	ZC05-48F-5S-AP	5.0 V	1000 mA	75% / 77%
ZC05-24F-12S-AP	ZC05-48F-12S-AP	12 V	500 mA	81% / 81%
ZC05-24F-15S-AP	ZC05-48F-15S-AP	15 V	400 mA	79% / 81%
ZC05-24F-24S-AP	ZC05-48F-24S-AP	24 V	250 mA	80% / 81%

For mechanical drawing, temperature derating and pin-out details, please see next page

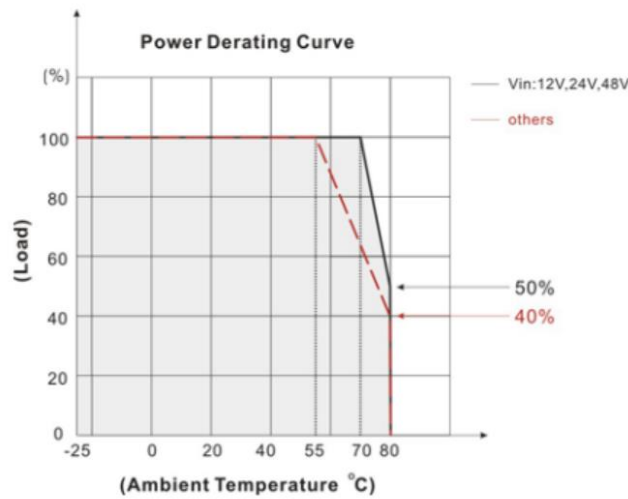
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Mechanical Details and Pin-Out Top View



Pin	Function
1	-V in
2	-V in
3	No connection
4	No connection
5	+V out
6	-V out
7	+V in
8	+V in

Derating Curve



Specifications may change without notice, E&OE. ALL PSU Terms & Conditions apply.

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