

KEY FEATURES

- Power Module for PCB Mountable
- Low Cost but High Reliability
- 4:1 Wide Input Range
- Regulated Output
- Low Ripple and Noise
- 3-Year Product Warranty


ELECTRICAL SPECIFICATIONS

Model No.	ZA05-24-3.3S	ZA05-24-5S	ZA05-24-12S	ZA05-24-15S	ZA05-24-24S	ZA05-24-5D	ZA05-24-12D	ZA05-24-15D
Max. Output Wattage (W)	4W	5W	6W	6W	6W	5W	6W	6W
Input Voltage (V.DC.) (Note 3)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)	24V (9-36V)
Output Voltage (V.DC.)	3.3V / 1200mA	5V / 1000mA	12V / 500mA	15V / 400mA	24V / 250mA	±5V / ±500mA	±12V / ±250mA	±15V / ±200mA
Efficiency	71%	75%	82%	79%	81%	75%	78%	75%

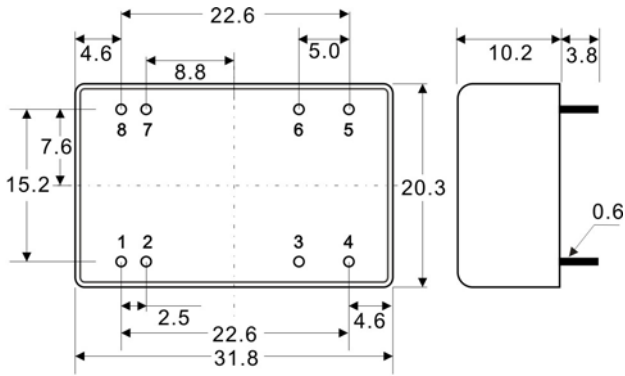
Model No.	ZA05-48-3.3S	ZA05-48-5S	ZA05-48-12S	ZA05-48-15S	ZA05-48-24S	ZA05-48-5D	ZA05-48-12D	ZA05-48-15D
Max. Output Wattage (W)	4W	5W	6W	6W	6W	5W	6W	6W
Input Voltage (V.DC.) (Note 3)	48V (18-75V)	48V (18-75V)	48V (18-75V)	48V (18-75V)	48V (18-75V)	48V (18-75V)	48V (18-75V)	48V (18-75V)
Output Voltage (V.DC.)	3.3V / 1200mA	5V / 1000mA	12V / 500mA	15V / 400mA	24V / 250mA	±5V / ±500mA	±12V / ±250mA	±15V / ±200mA
Efficiency	71%	75%	82%	82%	81%	77%	83%	81%

Model No.	ZA05-24-3.3S ZA05-48-3.3S	ZA05-24-5S ZA05-48-5S	ZA05-24-12S ZA05-48-12S	ZA05-24-15S ZA05-48-15S	ZA05-24-24S ZA05-48-24S	ZA05-24-5D ZA05-48-5D	ZA05-24-12D ZA05-48-12D	ZA05-24-15D ZA05-48-15D	
Max Output Wattage (W)	4W	5W	6W	6W	6W	5W	6W	6W	
Input	Input Filter π type								
Output	Voltage (V.DC.)	3.3	5	12	15	24	±5	±12	±15
	Voltage Accuracy	±2%							
	Current (mA) max	1200	1000	500	400	250	±500	±250	±200
	Line Regulation (LL-HL) (typ.)	±0.5%							
	Load Regulation (10-100%) (typ.)	±3%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
Protection	Ripple & Noise	<0.5% Vout +50mV max (Vp-p)							
	Over Power Protection	Works over 120% of rating and recovers automatically.							
	Short Circuit Protection	Current limit, auto-recovery							
Isolation	Voltage	1600 VDC.							
	Resistance	10 ⁸ ohms							
	Capacitance	1000 pF							
Environment	Operating Temperature	-25°C...+80°C (with derating)							
	Storage Temperature	-55°C...+105°C							
	Case temperature	+100°C max.							
	Temperature Coefficient	±0.02% Per°C							
	Humidity	95% RH							
Physical	MTBF	>800,000 h @ 25°C (MIL-HDBK-217F)							
	Dimensions (L x W x H)	1.25 x 0.8 x 0.4 Inches (31.8 x 20.3 x 10.2 mm) Tolerance ±0.5 mm							
	Case Material	Five-side shielded Aluminum with Non-Conductive base, Black Anodize							
	Weight	13 g							
	Cooling Method	Free-air convection							

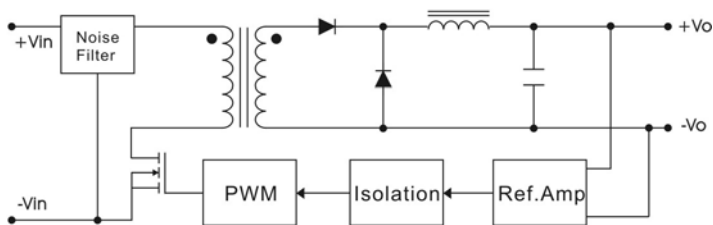
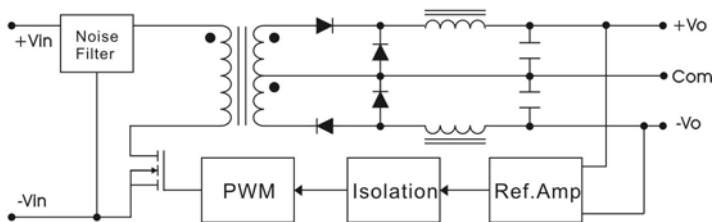
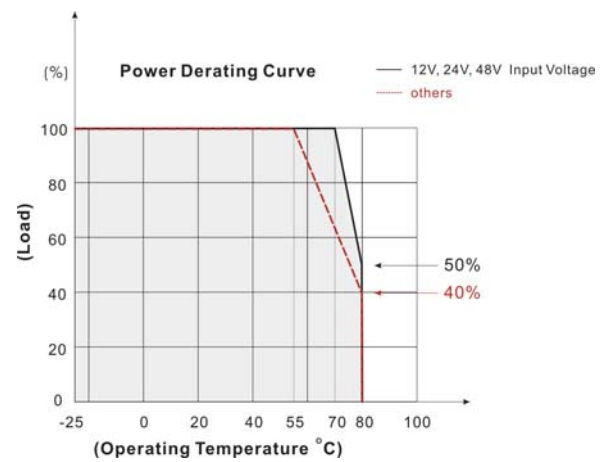
1.All specifications valid at normal input voltage, full load and +25°C after warm-up time unless otherwise stated.

2.Ripple & Noise are measured at 20MHz of bandwidth with 0.1UF & 47UF parallel capacitor.

3.If Input Voltage <10 VDC needs 1% Minimum Load.

MECHANICAL DIMENSIONS (Top View)

 Tolerance ± 0.5 mm

PIN#	Single	Dual
1	-VIN	-VIN
2	-VIN	-VIN
3	NC	COMMON
4	NC	-VOUT
5	+VOUT	+VOUT
6	-VOUT	COMMON
7	+VIN	+VIN
8	+VIN	+VIN

BLOCK DIAGRAM
Single Output

Dual Output

DERATING


We reserve the right to make alterations in the product materials and specifications without prior notification and consent to improve reliability, function or design or otherwise.

<http://www.archcorp.com.tw>

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