

DZ075 SERIES

75Watts For Medical & Industrial Applications

120 Watts Peak Current



DESCRIPTION

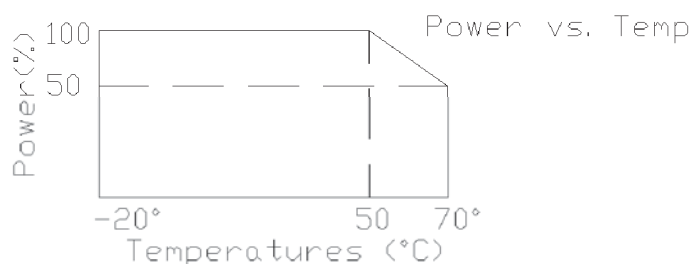
DZ075 series is a universal input multiple output power supply. The series is a 75 watts power supply in the size of 3"x 5" with a wattage density of 4.6W/in³. The efficiency can reach up to 85-90% depending on model.

FEATURES

- EMI FCC Class B
- No Minimum Load Required
- Single and Multiple Output
- Universal input 90VAC to 264VAC
- Low Leakage Current
- Double Fused

APPLICATIONS

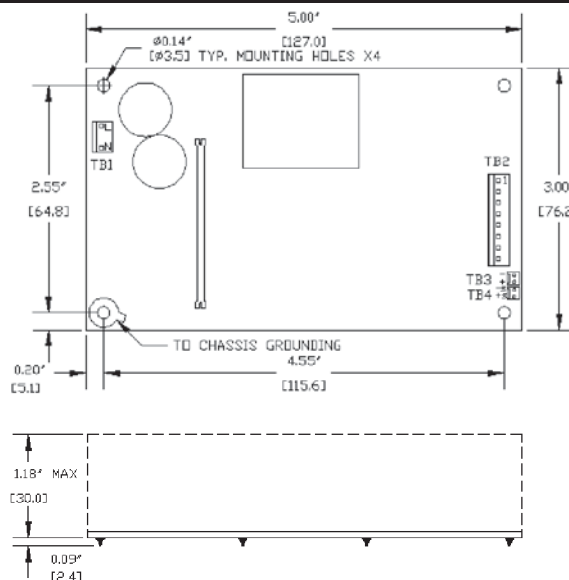
- Computer Peripherals
- Telecommunications
- Tape Drives
- Test Instrumentation Product
- Data Acquisition
- Medical & Dental



GENERAL SPECIFICATIONS

Input Voltage.....	90VAC to 264VAC
Input Frequency.....	47Hz to 63Hz
Inrush Current (cold).....	Less than 30A at 115VAC, 25°C
Operating Temperature.....	0 to 70°C de-rated 2.5%/°C >50°C
Storage Temperature.....	-20°C to 85°C
Cooling.....	Free Air Convection
Efficiency.....	82% Typical
Holdup Time.....	>20ms at 115VAC
Overvoltage Type.....	Latch Off
Overload Protection.....	Auto recovery
Short Circuit Protection.....	Auto recovery
Earth Leakage.....	300µA Max @ 240VAC
Designed in full compliance with	UL 60950, UL2601-1 CSA 22.2 #601-1, #234 EN60601-1
EMI	EN55022 "B", EN55011 "B" FCC docket class "B"
EMS.....	EN61000-4-2, -3, -4, -5, -6, -8, -11
Harmonics.....	EN61000-3-2 Class A

MECHANICAL SPECIFICATIONS



Connector: TB1—AC input : Molex 5277-02A or equivalent
TB2—DC output : Molex 5273-08A or equivalent
TB3 for LED use : Molex 5045-02A or equivalent
TB4 for Remote sense : Molex 5045-02A or equivalent

Size: 76.2mm X 127mm X 32.4mm, 3" X 5" X 1.20"

Mounting Holes: 64.8mm X 115.6mm, 2.55" X 4.55"

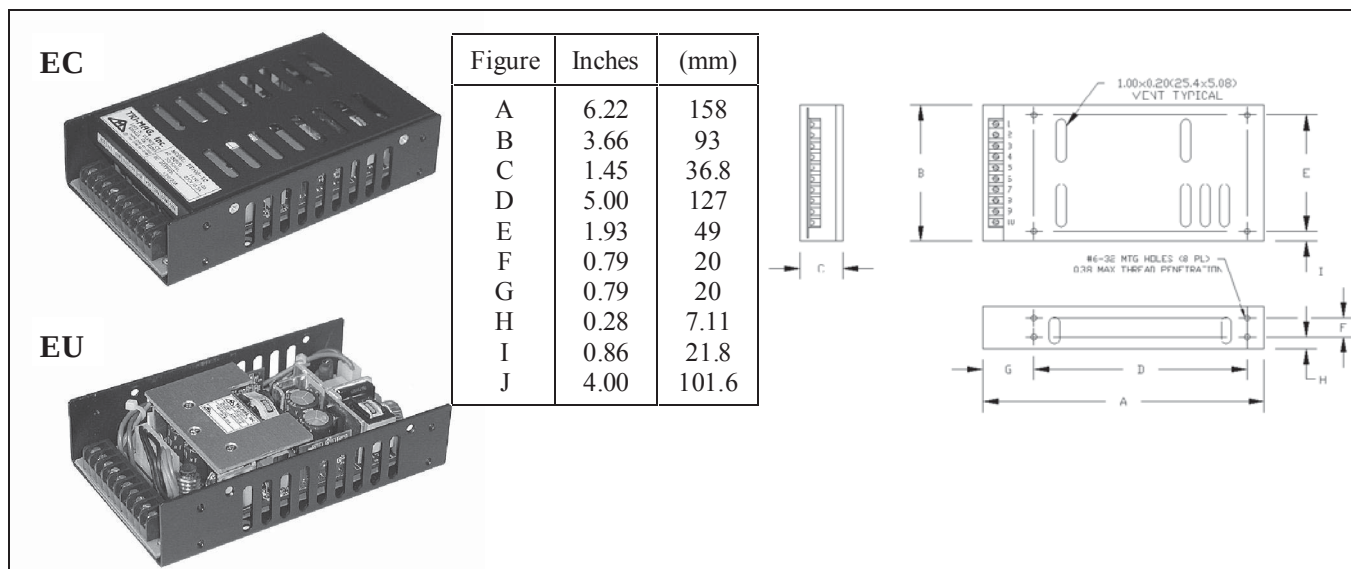
OUTPUT SPECIFICATIONS

Model	Watts	Voltage (Vdc)	Load (A)			Tolerance ±	Ripple & Noise	Regulation	
			Min.	Rate	Peak			Line	Load
DZ075-6	75	+5V	0	14	-	1%	100 mV	1.0%	±1%
DZ075-7	75	+12V	0	5.6	9.0	1%	100 mV	1.0%	±1%
		+5V	0	0.5	-	5%	50 mV	1.0%	±1%
DZ075-8	75	+15V	0	4.8	8.0	1%	100 mV	1.0%	±1%
		+5V	0	0.5	-	5%	50 mV	1.0%	±1%
DZ075-9	75	+24V	0	3.0	5.0	1%	200 mV	1.0%	±1%
		+5V	0	0.5	-	5%	50 mV	1.0%	±1%
DZ075-3	75	+5V	0	3.5	5.0	1%	50 mV	1.0%	±3%
		+12V	0	4.0	9.0	5%	100 mV	1.0%	±3%
DZ075-1	75	+5V	0	3.5	5.0	1%	50 mV	1.0%	±3%
		+12V	0	3.5	9.0	5%	100 mV	1.0%	±3%
		-12V	0	0.3	-	5%	100 mV	1.0%	±5%
DZ075-19	75	+3.3V	0	6.0	10.0	3%	50 mV	1.0%	±3%
		+5V	0	4.0	7.0	5%	50 mV	1.0%	±3%
		+12V	0	2.0	-	5%	120 mV	1.0%	±5%
		-12V	0	0.6	-	1%	120 mV	1.0%	±5%
DZ075-14	75	+48V	0	1.6	-	1%	300 mV	1.0%	±1%
DZ075-18	50	+3.3V	0	15	-	1%	50 mV	1.0%	±1%

Note: Contact factory for Safety Agency Approved status.

- Each output can provide up to peak load temporarily. Continuous staying in more than rated load is not allowed.
- At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
- Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- Load regulation is defined by changing ±40% of measured output load from 60% rated load.
- The ripple and noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47 µF capacitor at rated load and nominal line.

“U” shape and enclosed available. DZ075-XXEC for Enclosed and DZ075-XXEU for “U” shape.





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DZ075 SERIES 75 WATT— PIN ASSIGNMENT

Pin	1	2	3	4	5	6	7	8
DZ075-6	+5V	+5V	+5V	+5V	COM	COM	COM	COM
DZ075-7	+12V	+12V	+12V	COM	COM	COM	COM	+5V
DZ075-8	+15V	+15V	+15V	COM	COM	COM	COM	+5V
DZ075-9	+24V	+24V	+24V	COM	COM	COM	COM	+5V
DZ075-3	+5V	+5V	COM	COM	COM	COM	+12V	+12V
DZ075-1	+5V	+5V	COM	COM	+12V	+12V	-12V	N/C
DZ075-19	+3.3V	+3.3V	COM	COM	+5V	+5V	-12V	+12V
DZ075-14	+48V	+48V	+48V	COM	COM	COM	COM	+5V
DZ075-18	+3.3V	+3.3V	+3.3V	+3.3V	COM	COM	COM	COM