

DZ065V SERIES

65 Watts For Medical & Industrial Applications

90 Watts PEAK Current



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 60°C
Derated.....	2%/°C;>50°C
Storage Temperature.....	-40°C to 85°C
Cooling.....	Free Air Convection
Efficiency.....	85 Typical
Holdup Time.....	>12ms at 115VAC
Oversvoltage Type.....	Latching
Overload Protection.....	Auto Recovery
Short Circuit protection.....	Auto Recovery
Earth Leakage.....	300μ Max @ 240VAC
Designed in full compliance with UL 60950, UL2601-1 CSA 22.2 #601-1,#234 EN60950, EN60601-1	
EMI	FCC "B" EN55022 "B", EN55011 "B"
EMS.....	EN61000-4-2,-3,-4,-5,-6,-8,-11

DESCRIPTION

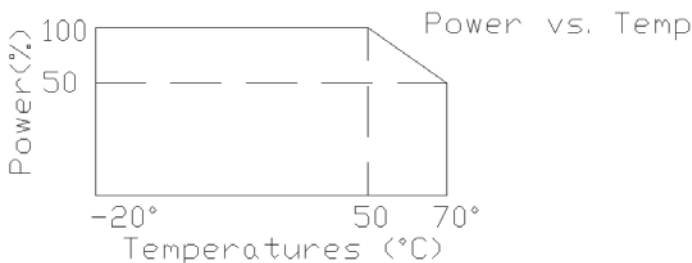
DZ065V series is a universal input power supply. The series is a 65 watts power supply in the size of 2"x 4" with a wattage density of 6.88W/in³. The efficiency can reach up to 85%.

FEATURES

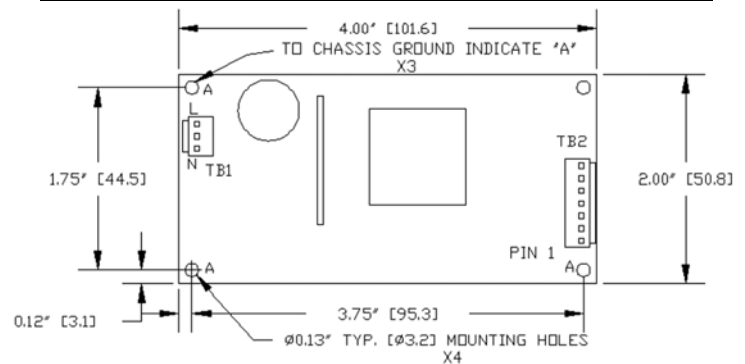
- EMI FCC Class B
- No Minimum Load Required
- Single Output
- Universal input 90VAC to 264VAC
- Low Leakage
- Double Fused

APPLICATIONS

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



MECHANICAL SPECIFICATIONS



Size: 4.0" X 2.0" X 1.18" (101.6mm X 50.8mm X 30.0mm)

- TB1—AC input : JST B2P3-VH or equivalent
- TB2—DC output : JST B4P-VH or equivalent (Single Outputs)
- : JST B6P-VH or equivalent (Multiple Outputs)
- : JST B7P-VH or equivalent (Multiple Outputs)
- Mounting holes: 1.75" X 3.75" (44.5mm X 95.3mm)

OUTPUT SPECIFICATIONS

Model	Watts	Voltage (Vdc)	Load (A)			Tolerance ±	Ripple & Noise	Regulation	
			Min.	Rate	Peak			Line	Load
DZ065V-6	65	+5V	0	10.0	18	1%	50 mV	±0.5%	±0.5%
DZ065V-7	65	+12V	0.1	4.8	7.5	1%	100 mV	±0.5%	±0.5%
		+5V	0	0.5	1	1%	50 mV	±0.5%	±0.5%
DZ065V-8	65	+15V	0	4.8	6.0	1%	100 mV	±0.5%	±0.5%
DZ065V-9	65	+24V	0	2.7	3.7	1%	200 mV	±0.5%	±0.5%
DZ065V-14	65	+48V	0	1.4	1.35	1%	200 mV	±0.5%	±0.5%
DZ065V-18	65	+3.3V	0	10	10	1%	50 mV	±0.5%	±1.5%
DZ065V-1	65	+5V	0	3.0	5.0	1%	50 mV	±1%	±3%
		+12V	0	3.0	5.0	5%	100 mV	±1%	±3%
		-12V	0	0.3	1.0	5%	100 mV	±1%	±5%
DZ065V-3	65	+5V	0	3.0	5.0	1%	50 mV	±1%	±3%
		+12V	0	3.0	5.0	5%	100 mV	±1%	±3%
DZ065V-19	65	+3.3V	0	5.0	7.0	1%	50 mV	±1%	±3%
		+5V	0	3.0	5.0	5%	50 mV	±1%	±3%
		+12V	0	0.7	-	5%	100 mV	±1%	±3%
DZ065V-5	65	+5V	0	4.0	-	1%	50 mV	±1%	±3%
		+24V	0	1.5	-	5%	200 mV	±1%	±3%

Note: Contact factory for Safety Agency Approved status.

1. Each output can provide up to peak load temporarily. Continuous staying in more than rated load is not allowed.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
4. Load regulation is defined by changing $\pm 40\%$ of measured output load from 60% rated load.
5. 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.

Note: Package options are available for this series, EU type (U shape) and EC type (Enclosed)

EC


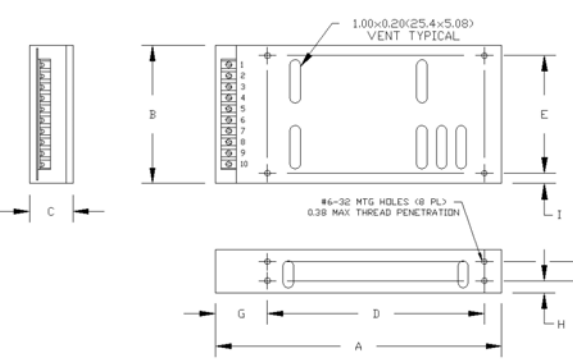



Figure	Inches	(mm)
A	5.00	127
B	2.77	70.4
C	1.60	40.6
D	2.65	67.3
E	2.00	51
F	-	-
G	1.00	25.4
H	0.80	20.3
I	0.38	9.7
J	2.50	63.5



1.00x0.20(25.4x5.08)
VENT TYPICAL

#6-32 MTG HOLES (Ø PL)
0.38 MAX THREAD PENETRATION

EU



DZ065V SERIES 65 WATT— PIN ASSIGNMENT

Mod \ Pin	1	2	3	4	5	6	7
DZ065V-1	-12V	+5V	+5V	GND	GND	+12V	+12V
DZ065V-3	N/C	+5V	+5V	GND	GND	+12V	+12V
DZ065V-6	GND	GND	GND	+5V	+5V	+5V	
DZ065V-7	+5V	GND	GND	GND	+12V	+12V	
DZ065V-8	N/C	GND	GND	GND	+15V	+15V	
DZ065V-9	+5V	GND	GND	GND	+24V	+24V	
DZ065V-14	N/C	GND	GND	GND	+48V	+48V	
DZ065V-18	N/C	GND	GND	+3.3V	+3.3V	+3.3V	
DZ065V-19	+12V	+5V	+5V	GND	GND	+3.3V	+3.3V
DZ065V-5	+5V	GND	GND	GND	+24V	+24V	