



ETA-USA

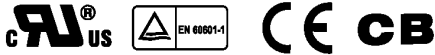
HIGH QUALITY SWITCHING POWER SUPPLIES

AC/DC SWITCHING POWER SUPPLY
 OPEN FRAME 3"x5"
 40 WATTS
 AC INPUT 90-264 / TRIPPLE OUTPUT

ZWT40-3X-W Series



Dimension: L127Xw76.5xH26mm
 (3"x5")



General Description	
<p>ZW T40 - 3 X - W</p> <p>Series Name Output Power Triple Output Universal Input Internal Code</p>	<p>1. Open Frame 3x5"</p> <p>2. Universal Input</p> <p>3. Triple Output</p> <p>4. Safety Approval, EMC compliance</p>
Features	

Input	
Input Voltage Range	90-264VAC
Frequency:	47-63Hz
Input Current:	1.5A max. (RMS) @ 115VAC
Inrush Current:	<25 peak @ 115VAC <50A peak @ 230VAC (Cold start @25°C)*
Efficiency :	65% typical at full load

DESCRIPTION	MODEL NO. ZWT40-33512X-W			MODEL NO. ZWT40-512(-)12X-W			MODEL NO. ZWT40-512(-)12X-W-1			MODEL NO. ZWT40-512(-)5X-W		
	OUTPUT VOLTAGE	+3.3V	+5V	+12V	+5	+12	-12	+5	+12	-12	+5	+12
O/P REGULATION	±5%	±5%	±8%	±5%	±8%	±10%	±3%	±8%	±10%	±5%	±8%	±10%
MIN. LOAD	0.4A	0.2A	0.1A	0.4A	0.2A	0.1A	0.5A	0.1A	0.1A	0.4A	0.2A	0.1A
MAX. LOAD with Convection Cooling	4A	2A	0.5A	4A	2A	0.5A	5A	0.5A	0.5A	4A	2A	0.5A
Max. Power	29.2W			40W			40W			40W		
RIPPLE & NOISE	50mV	50mV	120mV	50mV	120mV	120mV	50mV	120mV	50mV	50mV	120mV	50mV
DESCRIPTION	MODEL NO. ZWT40-515(-)15X-W			MODEL NO. ZWT40-524(-)12X-W			MODEL NO. ZWT40-52412X-W			MODEL NO. ZWT40-524(-)5X-W		
	OUTPUT VOLTAGE	+5	+15	-15	+5	+24	-12	+5	+24	+12	+5	+24
O/P REGULATION	±5%	±8%	±10%	±5%	±8%	±10%	±5%	±8%	±10%	±5%	±8%	±10%
MIN. LOAD	0.4A	0.2A	0.1A	0.4A	0.1A	0.1A	0.4A	0.1A	0.1A	0.4A	0.1A	0.1A
MAX. LOAD with Convection Cooling	4A	2A	0.5A	4A	1A	0.5A	4A	1A	0.5A	4A	1A	0.5A
Max. Power	40W			40W			40W			40W		
RIPPLE & NOISE	50mV	150mV	150mV	50mV	240mV	120mV	50mV	240mV	120mV	50mV	240mV	50mV
Hold Up time	10 mS at full load and 115VAC nominal line											





ETA-USA

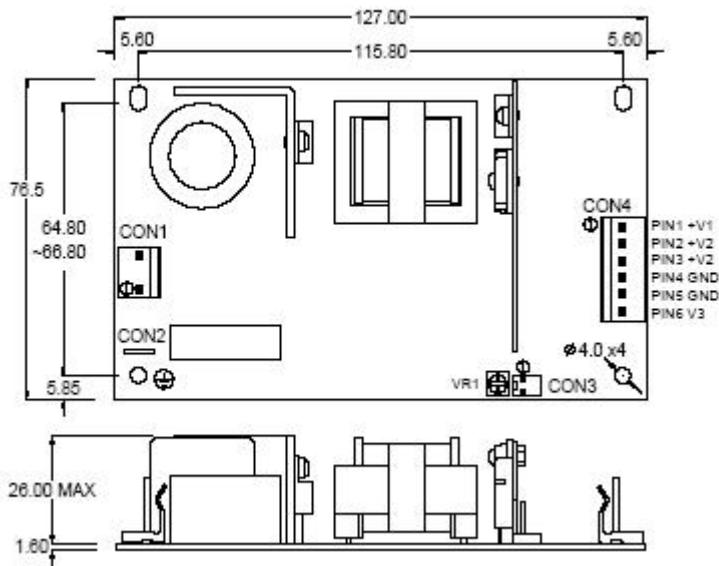
HIGH QUALITY SWITCHING POWER SUPPLIES

Environmental Specification	
Operating Temperature	0 to +40°C
Storage Temperature	-10 to +70°C
MTBF demonstrated	>80'000 hours at full load and 25 °C ambient temperature
Environmental Agencies	
Safety Standards	UL 60950 CSA 22.2-No.60950 TUV EN60950
EMI Standards	CE CISPR 22 Class B EN 55022 Class B
Protection	
Short circuit protection	
Over Voltage Protection	115-135% on +5V above following maximum rating
Over Load Protection	Over load protected @ 110% to 160%
Mechanical	
Dimension [mm]: L127×W76.5×H26mm (3"×5")	
Adjustment Range	±5%

- Note: 1. Peak to Peak with 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1 uF ceramic capacitor.
 2. All output power load should not exceed 40W
 3. Minimum load are required.

DIMENSION DIAGRAM (mm)

All the models **except** the ZWT40-33512X-W:



PIN ASSIGNMENTS:

CON	PIN	ASSIGNMENT
CON1	PIN1	AC INPUT -L
	PIN2	N.C
	PIN3	AC INPUT -N
CON2		GND
CON3	PIN1	+5V +SENSE
	PIN2	+5V -SENSE
CON4		DC OUTPUT

CON.4 DC OUTPUT PIN ASSIGNMENTS:

MODEL NO.	Pin 1	Pin 2,3	Pin 6
	+V1	+V2	V3
ZWT40-512(-)12X-W	+12	+5	-12
ZWT40-512(-)12X-W-1	+12	+5	-12
ZWT40-5125X-W	+12	+5	-5
ZWT40-51515X-W	+15	+5	-15
ZWT40-524(-)12X-W	+24	+5	-12
ZWT40-52412X-W	+24	+5	+12
ZWT40-5245X-W	+24	+5	-5

Dimension : L127 x W76.5 x H26mm

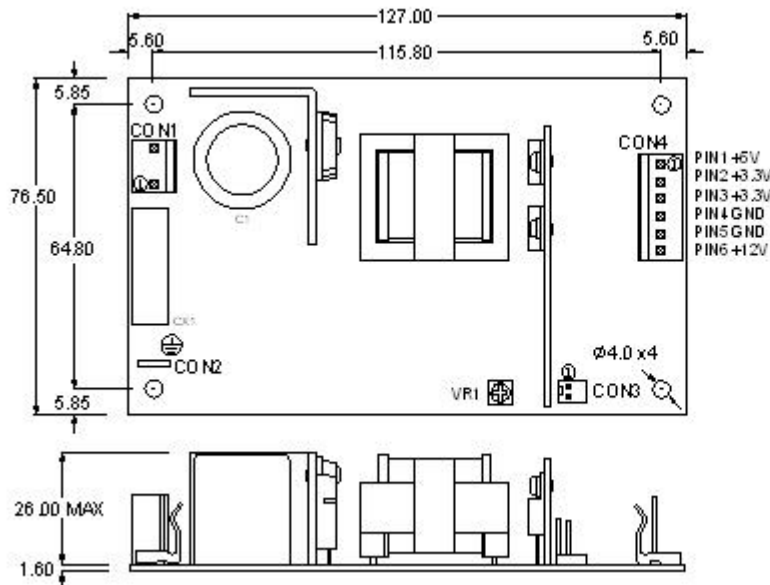




ETA-USA

HIGH QUALITY SWITCHING POWER SUPPLIES

Model No. ZWT40-33512X-W:



PIN ASSIGNMENTS:

Connector	Pin	Assignment
CON1	PIN1	AC INPUT -N
	PIN2	N.C
	PIN3	AC INPUT -L
CON2	PIN1	GND
CON3	PIN1	+5V +SENSE
	PIN2	+5V -SENSE
CON4		DC OUTPUT

Dimension : L127 x W76.5 x H26mm

MATCHING CONNECTORS

AC INPUT CON1 = MOLEX P/N: 09-65-2029 (OR EQUIVALENT) FEMALE HOUSING MOLEX P/N: 09-76-1020 (OR EQUIVALENT)

DC OUTPUT CON4 = MOLEX P/N: 09-65-2068 (OR EQUIVALENT) FEMALE HOUSING MOLEX P/N: 09-52-4064 (OR EQUIVALENT)

REMOTE SENSE CON3 = MOLEX P/N: 22-27-2021 (OR EQUIVALENT) FEMALE HOUSING MOLEX P/N: 22-01-2025 (OR EQUIVALENT)

