

FEATURES :

- Wide Input Voltage 90 to 264VAC,47 to 63Hz
- High Efficiency Up To 78%
- DOE6 Certification for Energy Efficiency
- Optional Output Connector
- No Load Power Consumption<0.1W
- 2Pole USA Plug
- Class II
- 2 Year warranty
- ROHS Compliant

Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

Part Number	Output Wattage	Output Voltage	Output Current	Ripple & Noise	Efficiency
	(W)	(VDC)	(mA)	(mV) max(Note)	(TYP %)
VAE05W-V050U	5	5	1000	200	74
VAE05W-V080U	5	8	625	200	78

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Rated input voltage	Vo,Io nom		100-240		Vac
Voltage Range	Vo,Io nom	90		264	Vac
Frequency		47	50/60	63	Hz
AC CURRENT	115VAC			0.15	A
	230VAC			0.10	A
LEAKAGE CURRENT	240VAC			0.25	mA

Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Output Voltage Accuracy	Vi nom, Io nom	Vo		±5	%
Output Voltage	No Load	Vo=5V		5.5	V
		Vo=8V		10	V
Line Regulation	Io nom, Vi min...Vi max		±1		%
Load Regulation	Vi nom, Io min...Io nom	Vo	±5		%
Protection	Overload	>110% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed			
	Short circuit	Recovers automatically after fault condition is removed			

Note: Ripple & noise is measured by using 20 MHz bandwidth, measured with a 47uf paralleled with a high-frequency 0.47uf capacitor across each output by full load.

YUAN DEAN SCIENTIFIC



Wallplugged Power Supply

AC Adaptor

VAE05W SERIES

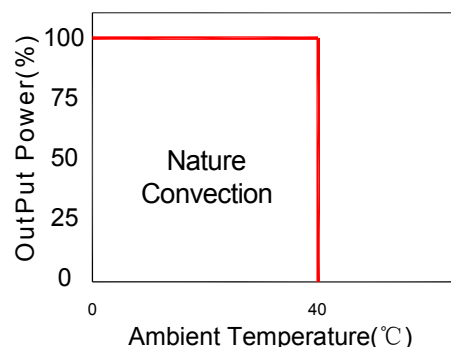
5Watt 3KVac Isolated

90 to 264VAC Input Voltage

Single Output



Temperature Derating Graph



www.yds.com.tw



TEL : 886-6-3842899 FAX : 886-6-3843288
E-MAIL : ydsweb@yds.com.tw

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General Specifications

Parameters	Conditions	Min	Typ	Max	Units
Switching Frequency	Vi nom, Io nom		65		KHz
Isolation Voltage	Input / Output		3KVac/5mA/5Secs		
Isolation Resistance	Input / Output,@500 Vdc	100			MΩ
Operating Temperature	Operating at Vi nom, Io nom	0		+40	°C
Storage Temperature	Non Operational	-20		+85	°C
Relative Humidity	Vi nom, Io nom	20		90	% RH
Safety Standards		EN62368-1 approved			
EMI Conduction & Radiation		Compliance to EN55032			
EMS Immunity		Compliance to EN55024			
CASE Color		White			
Dimension		L31.6 x W30.0 x H29.0 mm			
Cooling	Free air convection				

Markings and Dimensions

