WR20 DC-AC Converter, Ring Generator

Input voltage range ±5%
Typical Efficiency 80%
Switching frequency：250KHz
Input-output isolated, **sine wave**
PCB Mountable
Lack Voltage Protection, Short Circuit Protection

Input Characteristic

Input Vdc	18	**24**	36	2：1
	36	**48**	72	2：1

Remote ON/OFF: High voltage (3.5V) on, low voltage (0.3V) off

Output Characteristic

Voltage accuracy		±5Vac
Line regulation	Rated load	±0.5%
Load regulation	20%～100% load	±1%
Output wave form		Sine wave
out frequency		25HZ（±2%）
Start delay time		<2S

Common Characteristic

Efficiency	Rated load	80%	V
Switching frequency		200KHz	Max 250KHz
Operating temperature		Breeze of Nature	-25℃～+55℃
Storage temperature			-40℃～+105℃
Max case temperature			+90℃
Relative humidity			10%～90%
case material		Aluminum	Six side shield (optional)
Isolation Voltage		Input to Output	500VDC≤0.5mA/1 min
		Input to case	500VDC≤0.5mA/1 min
MTBF			$2X10^5$Hrs

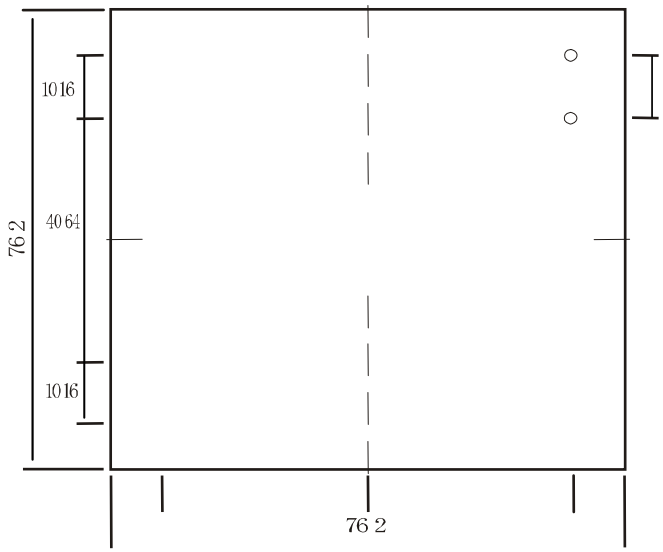
Models

TYPE	Input voltage range	Out V / A					
		Vo1		Vo2		Vo3	
		V	mA	V	mA	V	mA

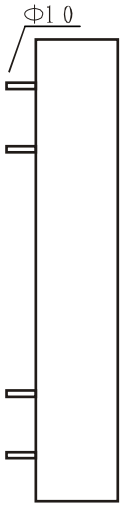
WR10-24S75	24V（18~36VDC） 48V（36~72VDC）	75Vac	130				
WR10-48S75		75Vac	130				
WR15-24S75		75Vac	200				
WR15-48S75		75Vac	200				
WR20-24S75		75Vac	265				
WR20-48S75		75Vac	265				

Dimension and pin definition

Bottom View



Side View



Pin	1	2	3	4	5	6
Single	REM	CASE	-Vin	+Vin	Vout	Vout