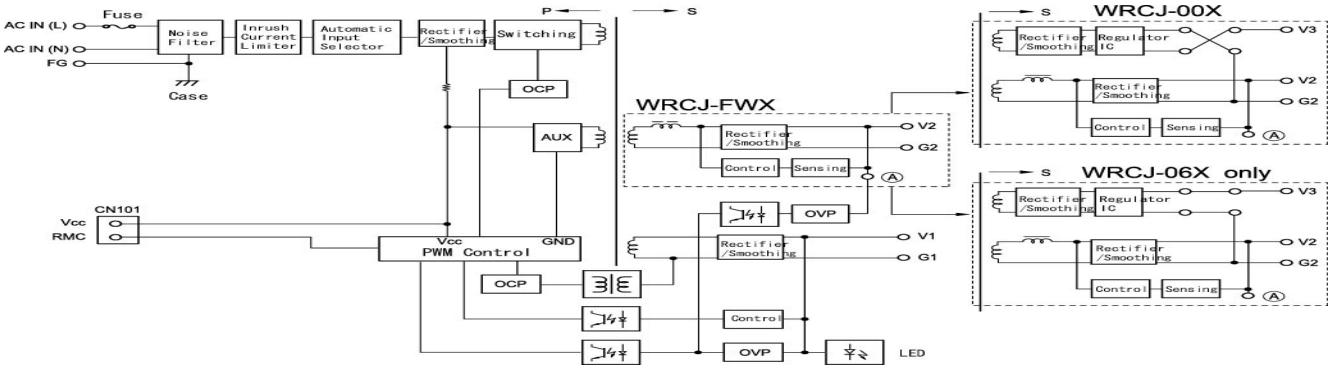
ETA-USA
Your power supply experts

80 WATT
AC-DC CONVERTER

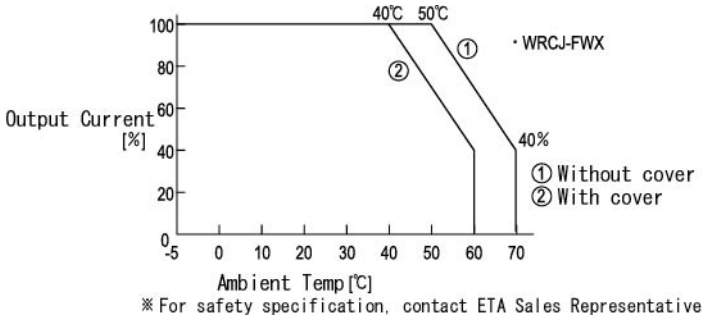
WRCJ-00X Series
3 CHANNEL

Specifications<AC/DC>	Model			
WRCJX-U 80WATTS/3 OUTPUTS**	WRCJ01X-U	WRCJ03X-U	WRCJ04X-U	WRCJ06X-U
Input Characteristic				
Input Voltage	AC115/230V			
Input Current	1.8A at AC115V/1.1A at AC230V			
Input Range *1	AC85-132V/170-264V(DC220-350V)			
Input Frequency	50/60Hz			
Input Frequency Range	47-440Hz			
Phase	Single			
Inrush Current *2	20A(maximum) at AC100/40A(maximum) at AC200V			
Efficiency [%] (typical) *3	72	72	72	72

BLOCK DIAGRAM



DERATING CURVE



※ For safety specification, contact ETA Sales Representative

ETA-USA **Tel**: 408-778-2793 **Fax**: 408-779-2753 **e-mail**: sales@eta-usa.com

Specifications<AC/DC>	Model											
WRCJX-U 80WATTS/3 OUTPUTS**	WRCJ01X-U			WRCJ03X-U			WRCJ04X-U			WRCJ06X-U		
Output Voltage [V]	5	+12	-12	5	+12	-5	5	+15	-15	5	+24	+12
Output Current [A]	1.0-10.0	4.0	1.0	1.0-10.0	4.0	1.5	1.0-10.0	3.2	1.0	1.0-10.0	2.0	1.0
Power [W]	80(maximum)											
Voltage Adjust Range	V1:+5%/-0% of Rated Output Voltage(at no load within the input range)											
	V2:+/-5% of Rated Output Voltage(at no load within the input range)											
	V3:fixed with tolerance of +/-3%(at no load within the input range)											
Ripple and Noise [mVp-p](maximum) *4	150	220	220	150	220	150	150	250	250	150	340	220
Regulation												
a.Statistic Line Regulation [mV](maximum)	25	60	60	25	60	25	25	75	75	25	120	60
b.Statistic Load Regulation [mV](maximum)	50	120	240	50	120	100	50	150	300	50	240	240
c.Temperature Coefficient *5	0.03%/℃											
d.Drift[mV](maximum) *6	50	120	120	50	120	50	50	150	150	50	240	120
e.Dynamic Load Regulation [mV](typical) *7	not specified											
f.Recovery Time *7	not specified											
Rise up time	550mS(maximum) at 25℃and rated input/output											
Hold up time	20mS(minimum) at 25℃and rated input/output											
Functions												
Overcurrent Protection [A]	V1,V2:Current Limiting with automatic recovery V3:by the regulator I.C's characteristics											
	Please refer to individual spec-sheet											
Overvoltage Protection ≧120% of Rated Output Voltage[V]	V1,V2:Output shutdown(to reset,leave 1 minute after shut-off) V3:not available											
	6	14.4	-	6	14.4	-	6	18	-	6	27.6	-
Remote Sense	not available											
Remote On/Off	available											
Power Fail Detection	not available											
Parallel/series Operation	not available											
Environmental												
Operating Temperature *8	-5 to +40℃open frame type:-5 to +50℃											
Operating Humidity	30 to 85%RH(non-condensing)											
Storage Temperature	-20 to +85℃											
Storage Humidity	10 to 85%RH(non-condensing)											
Withstanding Voltage	Primary-Secondary AC3,000V for 1minute											
	Primary-Frame Ground AC2,500V for 1minute											
	Secondary-Frame Ground AC500V for 1minute											
Isolation Resistance	Primary-Secondary-Frame Ground 100MΩ(minimum) by DC500V insulation tester											
Vibration	5-10Hz:10mm double amplitude,10-55Hz:19.6m/s^2, 20minutes' period for 60minutes each along X,Y,Z axes(non-											
Shock	294m/s^2											
Cooling	Convection											
Leakage Current	1mA(maximum) at 25℃rated input/output and rated input frequency											
Line Conducted Noise	Built to meet VDE0871 Class B											
	Built to meet VCCI Class B											
	Built to meet FCC Part15-B Class B											
Safety	UL: UL1950 C-UL:CSA C22.2 No 950											
	VDE:EN60950,IEC950,VDE0805											
Weight (typical)	760g/open frame type:700g											
MTBF [H]	300,000											
Switching Frequency[kHz](typical)	200											

Conditions:

*1 Automatically selected at AC140V +/-2V

*2 at cold start

*3 at AC100V input and output of 80watt

*4 measured by a bayonet probe at the end of a pair of 20cm long wires terminated with a 22uF electrolytic capacitor and a 0.1uF film capacitor in parallel at a 0 to 100MHz bandwidth

*5 at -5 to +40℃open frame type:-5 to +50℃

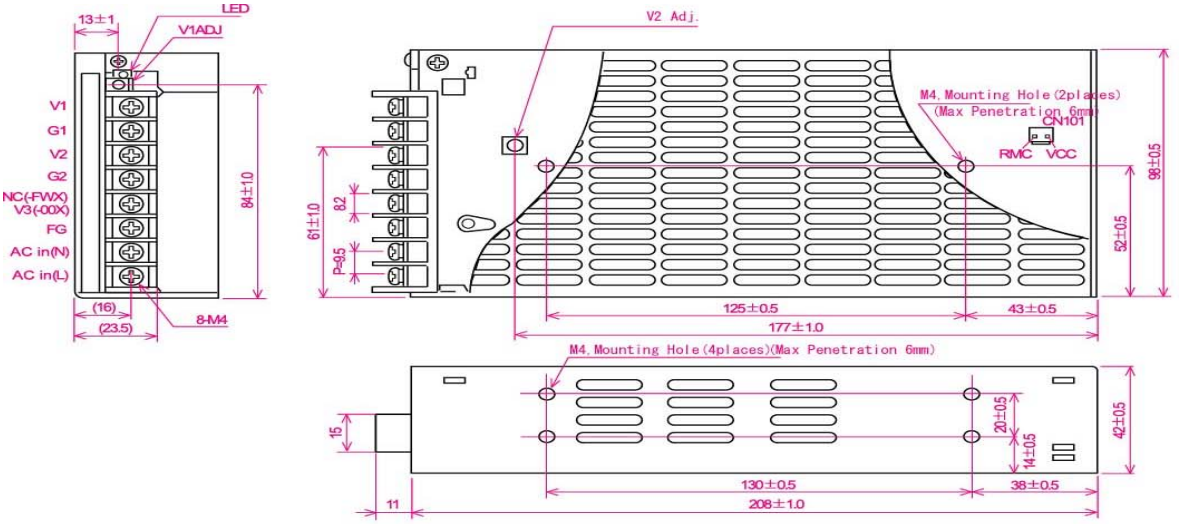
*6 for 7hour period after 1hour warm-up at 25℃and rated input/output

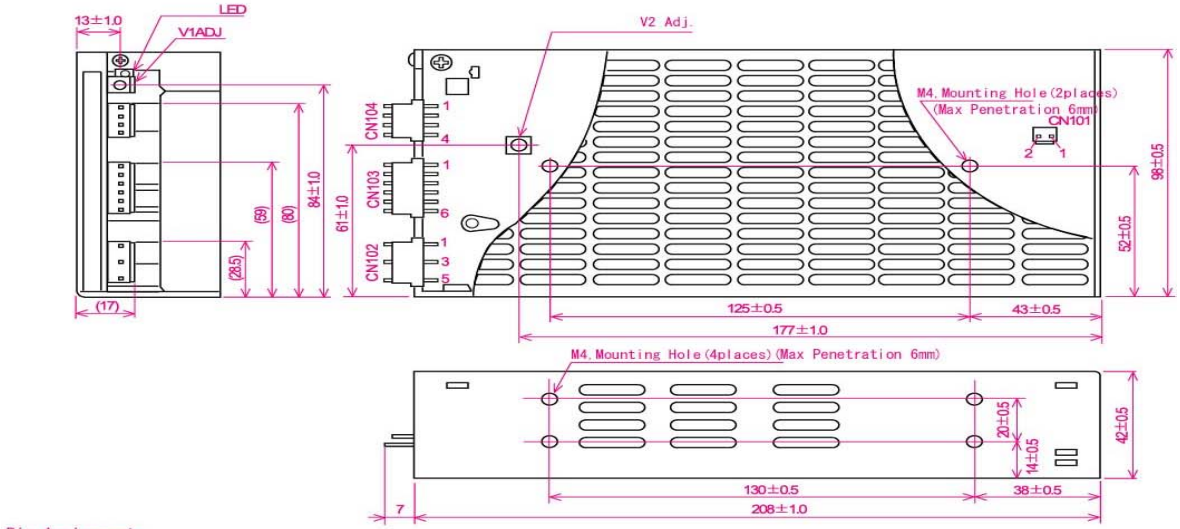
*7 when output current changed from 25% to 75% of rated output current rapidly at rated input

*8 safety approved at 25℃at UL/C-UL and 50℃at VDE

ETA-USA Tel: 408-778-2793 **Fax**: 408-779-2753 **e-mail**: sales@eta-usa.com

DIMENSION DIAGRAM





Pin Assignments

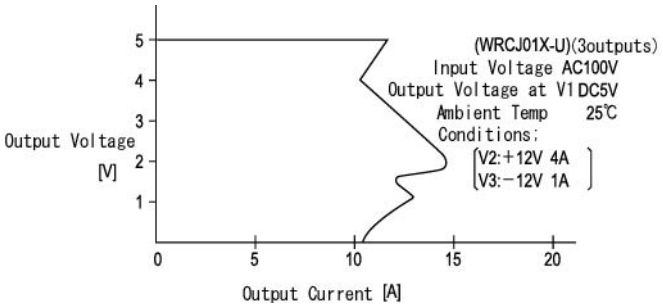
CN101	CN102	CN104	CN103
1 Vcc	1 FG	1 V1	1 V2
2 RMC	2 NC	2 V1	2 V2
	3 AC in(N)	3 G1	3 G2
	4 NC	4 G1	4 G2
	5 AC in(L)		5 NC(-FWX-S) . V3(-OOX-S)
			6 NC(-FWX-S) . V3(-OOX-S)

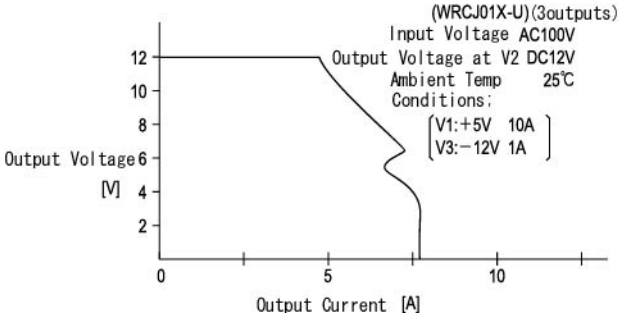
	Housing
CN101	VHR-2N
CN102	VHR-5N
CN103	VHR-6N
CN104	VHR-4N

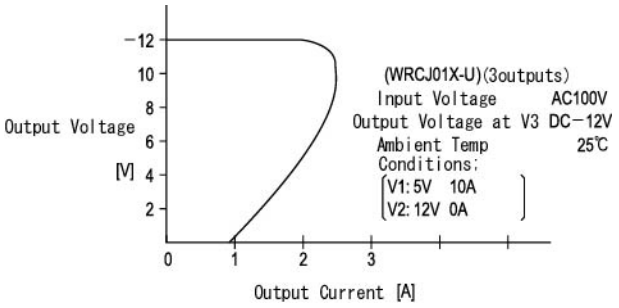
Maker: JST

ETA-USA Tel: 408-778-2793 **Fax**: 408-779-2753 **e-mail**: sales@eta-usa.com

OCP CURVE


(WRCJ01X-U)(3outputs)
Input Voltage AC100V
Output Voltage at V1 DC5V
Ambient Temp 25℃
Conditions:
V2:+12V 4A
V3:−12V 1A
Output Voltage [V]
Output Current [A]


(WRCJ01X-U)(3outputs)
Input Voltage AC100V
Output Voltage at V2 DC12V
Ambient Temp 25℃
Conditions:
V1:+5V 10A
V3:−12V 1A
Output Voltage [V]
Output Current [A]


(WRCJ01X-U)(3outputs)
Input Voltage AC100V
Output Voltage at V3 DC−12V
Ambient Temp 25℃
Conditions:
V1:5V 10A
V2:12V 0A
Output Voltage [V]
Output Current [A]

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9