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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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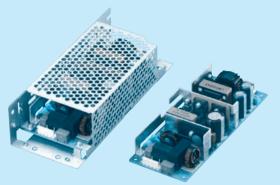


#### Ordering information

# **LMA100F**

A 100





Example recommended EMI/EMC filter NAM-04-101



High voltage pulse noise type : NAP series Low leakage current type : NAM series

\*A higher current rating EMI/EMC filter may be recommended in view of the other devices that could be connected in parallel with the power supply.

- 1) Series name 2) Single output 3) Output wattage 4) Universal input
- (5)Output voltage Optional \*1
  - C: with Coating
- G: Low leakage current H: with the function to be acceptable
- to output peak current
  J1: VH(J.S.T.)connector type
  R: with Remote ON/OFF
- R2: with Remote ON/OFF
- S: with Chassis
- SN: with Chassis & cover
- P:Setting in the overcurrent protection rating

This power supply is manufactured by SMD technology. The stress to P.C.B like twisting or bending causes the defect of the unit, so handle the unit with care. \*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

MODEL	LMA100F-24-Y	LMA100F-24-HY	
MAX OUTPUT WATTAGE[W]	103.2	103.2 (206.4) *2	
DC OUTPUT	24V 4.3A	24V 4.3A (8.6A) *2	

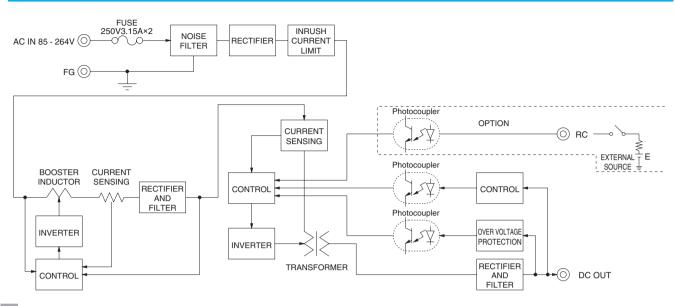
## **SPECIFICATIONS**

	MODEL		LMA100F-24-Y LMA100F-24-HY					
	VOLTAGE[V]		AC85 - 264 1 φ					
	CURRENT[A]	ACIN 100V	1.4typ (lo=100%)					
	CORRENT[A]	ACIN 200V	0.7typ (lo=100%)					
	FREQUENCY[Hz]		50 / 60 (47 - 63)					
	EFFICIENCY[%]	ACIN 100V	84.0typ (lo=100%)	84.0typ (lo=100%)				
INPUT			86.0typ (lo=100%)	86.0typ (Io=100%)				
	POWER FACTOR	ACIN 100V	0.99typ (lo=100%)					
	POWER FACTOR	ACIN 200V	0.95typ (lo=100%)					
	INRUSH CURRENT[A]		5typ (Io=100%) (At cold start) (Ta=25℃)					
	INNUSH CONNENT[A]	ACIN 200V	30typ (Io=100%) (At cold start) (Ta=25℃)					
	LEAKAGE CURREN	T[mA]	0.10 / 0.25max (ACIN 100V / 240V 60Hz, lo=100%, Acc	<u> </u>				
	VOLTAGE[V]		24	24				
	CURRENT[A]		4.3	4.3 (Peak 8.6) *2				
	LINE REGULATION[	mV] *7	96max	96max				
	LOAD REGULATION			150max				
	RIPPLE[mVp-p] *3		120max	120max				
	THE F EE[IIIV P-P]		160max	160max				
	RIPPLE NOISE[mVp-p]*3		150max	150max				
OUTPUT	TIII T EE NOISE[III VP-P]**		180max	180max				
	TEMPERATURE REGULATION[mV]		240max	240max				
		-10 to +50°C	290max	290max				
	DRIFT[mV]	*4	96max	96max				
	START-UP TIME[ms]		350typ (ACIN 100V, Io=100%)					
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)					
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		19.20 to 27.50	19.20 to 27.50				
	OUTPUT VOLTAGE SET		24.00 to 24.96	24.00 to 24.96				
	OVERCURRENT PROT		Works over 105% of rating (works over 101% of peak cur					
	OVERVOLTAGE PROTEC		27.60 to 33.60	27.60 to 33.60				
	OPERATING INDICA	TION	Not provided					
OTHERS	REMOTE SENSING		Not provided					
	REMOTE ON/OFF		Option (Required external power source.)					
	INPUT-OUTPUT-RC	*6	AC4,000V 1minute, Cutoff current = 10mA, DC500V 50M $\Omega$ min (At Room Temperature) 2MOOP					
ISOLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M $\Omega$ min (At Room Temperature) 1MOOP					
	OUTPUT-RC-FG		AC500V 1minute, Cutoff current = 25mA, DC500V 50M $\Omega$ min (At Room Temperature)					
	OUTPUT-RC		AC100V 1minute, Cutoff current = 25mA, DC100V 10M $\Omega$ min (At Room Temperature)					
			-10 to +70°C, 20 - 90%RH (Non condensing), 3,000m (10,000feet) max					
ENVIRONMENT	STORAGE TEMP.,HUMID.AND	ALIIIUDE	-20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max					
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes ea	ich along X, Y and Z axis				
OAFETY AND	IMPACT	IV AO :1	196.1m/s² (20G), 11ms, once each X, Y and Z axis	FC60601 1 0 4th Fd				
SAFETY AND	AGENCY APPROVALS (AT ON		ANSI/AAMI ES60601-1, EN60601-1 3rd, Complies with I					
NOISE	CONDUCTED NOISE		Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B,	EINOOUZZ-D				
NEGULATIONS	HARMONIC ATTENU		Complies with IEC61000-3-2 (Class A) *8	2000 may (with chaosis 9 cover 470c may)				
OTHERS	CASE SIZE/WEIGHT		62 X 33 X 155mm [2.44 X 1.30 X 6.10 inches] (W X H X D) /	290g max (with chassis & cover : 470g max)				
	COOLING METHOD		Convection *5					

- Specification is changed at option, refer to Instruction Manual.
- \*2 Peak loading for 10sec. And Duty 40% max.
  - ( ) means peak current. There is a possibility that an internal device is damaged when the specification is exceeded.
- This is the value that measured on measuring board with capacitor of 22 µ F at 150mm from output terminal. Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent
- \*4 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage
  - held constant at the rated input/output.
- Derating is required. Applicable when remote control (optional) is added.
- Please contact us about dynamic load and input response.
- \*8 Please contact us about another class.
- To meet the specifications. Do not operate over-loaded condition.
- Parallel operation is not possible.
- Derating is required when operated with chassis and cover.
  - Sound noise may be generated by power supply in case of pulse load.



# Block diagram



#### **External view**

\* External size of option is different from standard model.

Standard type Chassis and cover type Connector for Remote ON/OFF (Optional) 173±0.5 4-M4 2-φ4.5 3- φ 3.5 Name plate FG [6.81] [0.24] Mounting Hole Mounting Hole **b** 0 CN4 --5 – FG FG 00000 62 [2.44] 52±0.5 [2.05] CN2 Output(-) 45±0.5 [1.77] 25±0.5 [0.98] -Input(N) Input(L) 72 [2.83] Output(+) 3.5 Point B Point A [0.16] Mounting Hole Voltage adjust 16.5 145±0.5 [0.2] 173±0.5  $\phi 4.5$ 155 [6.1] [0.24] [1.18] ŏ 2-M4 Mounting Hole **%**1 PCB t=1.6 12] %1 Surface mount device

- \* 4 Mounting holes are existing.
- \* The back side of P.C.B. of the power supply is assembled some SMDs.
- Be attention not to bump against the attached area by vibration. \* Use the spacer of 8mm length or more regarding insulation. And do not use press-fitting bush.
- \* Point A, Point B are thermometry points.

I/O Connector		Mating connector	Т	erminal	
CNIA	1-1123724-3	1-1123722-5	Chain	1123721-1	
CIVI	1-1123724-3	1-1123722-3	Loose	1318912-1	
CNO	1-1123723-8	1-1123722-8	Chain	1123721-1	
CINZ	1-1123723-0	1-1123722-0	Loose	1318912-1	
(Mfr:Tyco Electronics					

- **% I/O Connector is Mfr. Tyco Electronics**
- ※ Option:-J1:VH(J.S.T) connector type.

#### <PIN CONNECTION>

CN1 CN2 Pin No. Pin No. Input AC(L) 1 to 4 AC(N) 3 5 to 8 4 FG

- \* Keep drawing current per pin below 5A for CN2.
- ※ Tolerance : ±1 [±0.04]
- Weight: 290g max (with chassis & cover: 470g max)
  \*\* PCB material: CEM3
- \* Optional chassis and cover material : Electric galvanizing steel board.

Output

\* Dimensions in mm, [ ]=inches \* Mounting torque (Mounting hole of chassis) :1.5N · m (16kgf · cm) max Connector type

CN4 Option (Mfr:J.S.T)

PIN No.	Contents
1	RC(+)
2	RC(-)

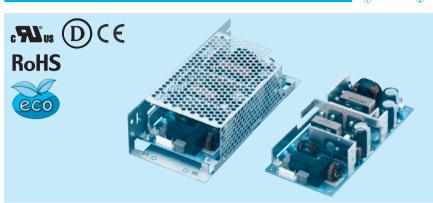
Barrier strip type

Model B2B-XH-A Mating Connector (Terminal) XHP-2

BXH-001T-P0.6 or SXH-001T-P0.6

# LMA150F

A 150



Example recommended EMI/EMC filter NAM-04-101

High voltage pulse noise type : NAP series Low leakage current type : NAM series \*A higher current rating EMI/EMC filter may be recommended in view of the other devices that could be connected in parallel with the power supply.

1) Series name 2) Single output 3) Output wattage 4) Universal input

(5)Output voltage Optional \*1

C: with Coating
G: Low leakage current
H: with the function to be acceptable

to output peak current
J1: VH(J.S.T.)connector type
R: with Remote ON/OFF

R2: with Remote ON/OFF

S: with Chassis

SN: with Chassis & cover

P:Setting in the overcurrent protection rating

This power supply is manufactured by SMD technology. The stress to P.C.B like twisting or bending causes the defect of the unit, so handle the unit with care. \*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

MODEL	LMA150F-24-Y	LMA150F-24-HY	
MAX OUTPUT WATTAGE[W]	151.2	151.2 (302.4) *2	
DC OUTPUT	24V 6.3A	24V 6.3A (12.6A) *2	

## **SPECIFICATIONS**

	MODEL		LMA150F-24-Y	LMA150F-24-HY		
	VOLTAGE[V]		AC85 - 264 1 ¢			
	OUDDENTIAL	ACIN 100V	2.0typ (lo=100%)			
	CURRENT[A]	ACIN 200V	1.0typ (lo=100%)			
	FREQUENCY[Hz]		50 / 60 (47 - 63)			
	EEEIOIENOV(0/1	ACIN 100V	85.0typ (lo=100%)	85.0typ (Io=100%)		
INPUT	EFFICIENCY[%]	ACIN 200V	87.0typ (lo=100%)	87.0typ (Io=100%)		
			0.99typ (lo=100%)			
			0.95typ (lo=100%)			
	INDUCU CUDDENTIAL		15typ (lo=100%) (At cold start) (Ta=25℃)			
	INRUSH CURRENT[A]	ACIN 200V	30typ (lo=100%) (At cold start) (Ta=25℃)			
	LEAKAGE CURREN	T[mA]	0.10 / 0.25max (ACIN 100V / 240V 60Hz, Io=100%, Acc	ording to IEC60601-1)		
	VOLTAGE[V]		24	24		
	CURRENT[A]		6.3	6.3 (Peak 12.6) *2		
	LINE REGULATION[	mV] *7	96max	96max		
	LOAD REGULATION	[mV] *7	150max	150max		
	RIPPLE[mVp-p] *3	0 to +50°C	120max	120max		
	nierce[iiivp-p] **	-10 - 0℃	160max	160max		
	DIDDLE NOICEIMVa nivo	0 to +50°C	150max	150max		
OUTPUT	RIPPLE NOISE[mVp-p]*3	-10 - 0℃	180max	180max		
	TEMPERATURE REGULATION[mV]	0 to +50°C	240max	240max		
	TEMPERATURE REGULATION[IIIV]	-10 to +50°C	290max	290max		
	DRIFT[mV]	*4	96max	96max		
	START-UP TIME[ms]		350typ (ACIN 100V, Io=100%)			
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)			
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		19.20 to 27.50	19.20 to 27.50		
	OUTPUT VOLTAGE SETTING[V]		24.00 to 24.96	24.00 to 24.96		
	OVERCURRENT PROT	ECTION	Works over 105% of rating (works over 101% of peak cur	rent at option -H) and recovers automatically		
PROTECTION	OVERVOLTAGE PROTEC	CTION[V]	27.60 to 33.60	27.60 to 33.60		
<b>CIRCUIT AND</b>	OPERATING INDICA	TION	Not provided			
OTHERS	REMOTE SENSING		Not provided			
	REMOTE ON/OFF		Option (Required external power source.)			
	INPUT-OUTPUT-RC	*6	AC4,000V 1minute, Cutoff current = 10mA, DC500V 50M $\Omega$ min (At Room Temperature) 2MOOP			
ISOLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 1MOOP			
ISOLATION	OUTPUT-RC-FG	*6	7.00007 miniate, outen carrent 2011/1, 200007 com== min (7.07.100m formporature)			
	OUTPUT-RC	*6	AC100V 1minute, Cutoff current = 25mA, DC100V 10MΩ min (At Room Temperature)			
	OPERATING TEMP., HUMID. AND	ALTITUDE *5				
ENVIRONMENT	STORAGE TEMP., HUMID. AND	ALTITUDE	-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max			
LITTIIONNENT	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis			
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis			
SAFETY AND			ANSI/AAMI ES60601-1, EN60601-1 3rd, Complies with I			
NOISE	CONDUCTED NOISE		Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B,	EN55022-B		
REGULATIONS	HARMONIC ATTENU		Complies with IEC61000-3-2 (Class A) *8			
OTHERS	CASE SIZE/WEIGHT		$75 \times 36.5 \times 160$ mm [2.95 $\times$ 1.44 $\times$ 6.30 inches] (W $\times$ H $\times$ D)	/ 370g max (with chassis & cover : 600g max)		
OTTLENS	COOLING METHOD		Convection *5			

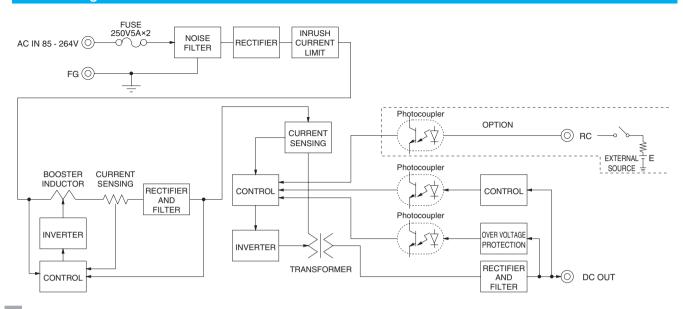
Specification is changed at option, refer to Instruction Manual.

to KEISOKU-GIKEN: RM103).

- Peak loading for 10sec. And Duty 40% max.
   () means peak current. There is a possibility that an internal device is damaged when the specification is exceeded.
- \*3 This is the value that measured on measuring board with capacitor of 22 µ F at 150mm from output terminal. Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent
- \*4 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.
- Derating is required.
- Applicable when remote control (optional) is added.
- Please contact us about dynamic load and input response.
- To meet the specifications. Do not operate over-loaded condition.
- Parallel operation is not possible.
- Derating is required when operated with chassis and cover.
- Sound noise may be generated by power supply in case of pulse load.

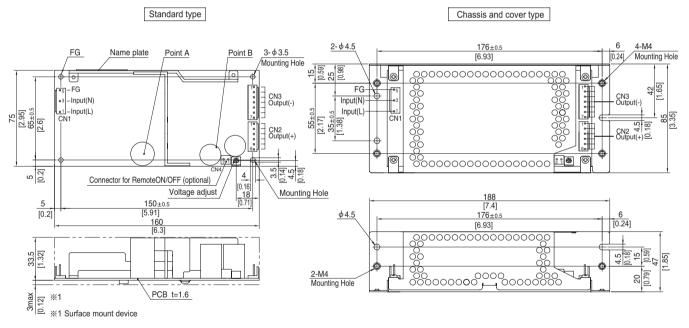


# Block diagram



#### **External view**

\* External size of option is different from standard model.



- \* 4 Mounting holes are existing.
- % The back side of P.C.B. of the power supply is assembled some
- Be attention not to bump against the attached area by vibration. \* Use the spacer of 8mm length or more regarding insulation.
- And do not use press-fitting bush.
- \* Point A, Point B are thermometry points.

I/C	Connector	Mating connector	Т	erminal
CNIA	1-1123724-3	1-1123722-5	Chain	1123721-1
CIVI	1-1123724-3	1-1123722-5	Loose	1318912-1
ONIO	1-1123723-6	1-1123722-6	Chain	1123721-1
CNZ	1-1123723-6	1-1123/22-6	Loose	1318912-1
ONIO	4 4400700 7	-1123723-7 1-1123722-7		1123721-1
CN3	1-1123723-7	1-1123/22-/	Loose	1318912-1

- (Mfr:Tyco Electronics)
- \* I/O Connector is Mfr. Tyco Electronics ※ Option:-J1:VH(J.S.T) connector type

### <PIN CONNECTION>

CN2			CN3	
Pin No.	Output		Pin No.	Output
1 to 6	+V		1 to 7	-V
	Pin No.	Pin No. Output	Pin No. Output	Pin No. Output Pin No.

- $\ensuremath{\ensuremath{\mathbb{X}}}$  Keep drawing current per pin below 5A for CN2,CN3.
- % Tolerance : ±1 [±0.04]
- Weight: 370g max (with chassis & cover: 600g max)
- ※ PCB material : CEM3
- ※ Optional chassis and cover material : Electric galvanizing steel board.
- \* Dimensions in mm, [ ]=inches
- Mounting torque (Mounting hole of chassis) :1.5N · m (16kgf · cm) max

#### Connector type

CN4 Option (Mfr:J.S.T) PIN No. Contents RC(+)

Barrier strip type

RC(-)

Model B2B-XH-A Mating Connector (Terminal) XHP-2

BXH-001T-P0.6 or SXH-001T-P0.6

#### Ordering information

# LMA240F

240

**c ₹1**° us (D) ( € **RoHS** eco



# Example recommended EMI/EMC filter NAM-06-101



High voltage pulse noise type : NAP series Low leakage current type : NAM series

\*A higher current rating EMI/EMC filter may be recommended in view of the other devices that could be connected in parallel with the power supply.

- 1) Series name 2) Single output 3) Output wattage 4) Universal input
- (5)Output voltage
- Optional \*1
- C: with Coating
  G: Low leakage current
  H: with the function to be acceptable
- to output peak current
  J1: VH(J.S.T.)connector type
  R: with Remote ON/OFF
- R2: with Remote ON/OFF
- S: with Chassis
- SN: with Chassis & cover
- P:Setting in the overcurrent protection rating

This power supply is manufactured by SMD technology. The stress to P.C.B like twisting or bending causes the defect of the unit, so handle the unit with care. \*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

MODEL		LMA240F-24-Y	LMA240F-24-HY
MAX OUTPUT WATTAGE[W]		300	300 (480) *2
DC CUTDUT	Convection	24V 10A	24V 10A (20A) *2
DC OUTPUT	Forced air	24V 12.5A	24V 12.5A (20A) *2

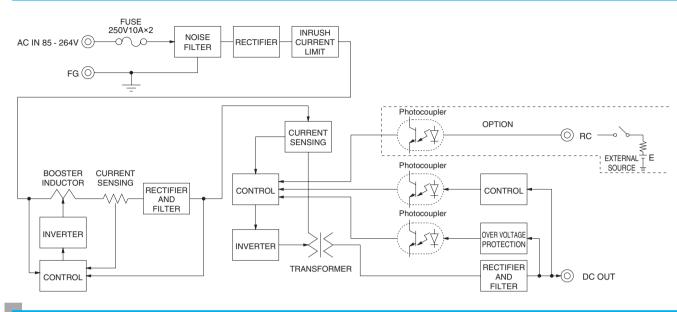
#### **SPECIFICATIONS**

	MODEL		LMA240F-24-Y	LMA240F-24-HY			
	VOLTAGE[V]		AC85 - 264 1 φ				
		ACIN 100V	3.9typ (lo=100%)				
	CURRENT[A]		1.8typ (lo=100%)				
	FREQUENCY[Hz]		50 / 60 (47 - 63)				
	EEEIOIENOVI0/1	ACIN 100V	86.0typ (lo=100%)	86.0typ (Io=100%)			
INPUT	EFFICIENCY[%]	ACIN 200V	88.0typ (lo=100%)	88.0typ (Io=100%)			
	ACIN 100V		0.99typ (lo=100%)				
	POWER FACTOR ACIN 200V		0.95typ (Io=100%)				
	INRUSH CURRENT[A]	ACIN 100V	5 / 30typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 3 sec. to re-start)				
	INNUSH CONNENT[A]	ACIN 200V	0 / 30typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 3 sec. to re-start)				
	LEAKAGE CURREN	T[mA]	0.15 / 0.40max (ACIN 100V / 240V 60Hz, lo=100%, Acc	ording to IEC60601-1)			
	VOLTAGE[V]		24	24			
	CURRENT[A]	Convection	-	10 (Peak 20) *2			
	CONNENT[A]	Forced air	12.5	12.5 (Peak 20) *2			
	LINE REGULATION[		96max	96max			
	LOAD REGULATION	[mV] *7	150max	150max			
	RIPPLE[mVp-p] *3		120max	120max			
OUTPUT	nieecciiivp-pj 💀		160max	160max			
	RIPPLE NOISE[mVp-p]*3		150max	150max			
001101	MIFFEE NOISE[IIIVP-P]**	-10 - 0℃	180max	180max			
	TEMPERATURE REGULATION[mV]		240max	240max			
	TEMPERATURE REGULATION[IIIV]	-10 to +50°C	290max	290max			
	DRIFT[mV] *4		96max	96max			
	START-UP TIME[ms]		350typ (ACIN 100V, Io=100%)				
			20typ (ACIN 100V, Io=100%)				
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		19.20 to 27.50	19.20 to 27.50			
	OUTPUT VOLTAGE SET		24.00 to 24.96	24.00 to 24.96			
	OVERCURRENT PROT		Works over 105% of rating (works over 101% of peak cur				
	OVERVOLTAGE PROTEC		27.60 to 33.60	27.60 to 33.60			
	OPERATING INDICA	TION	Not provided				
OTHERS	REMOTE SENSING		Not provided				
	REMOTE ON/OFF		Option (Required external power source.)				
	INPUT-OUTPUT-RC	*6	The figure 1 minutes, eaten carrein. Terms, present comments for the first peraction of the first peraction.				
ISOLATION	INPUT-FG OUTPUT-RC-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M $\Omega$ min (At Room Temperature) 1MOOP				
	OUTPUT-RC-FG		AC500V 1minute, Cutoff current = 25mA, DC500V 50M $\Omega$ min (At Room Temperature)				
			AC100V 1minute, Cutoff current = 25mA, DC100V 10M $\Omega$ min (At Room Temperature)				
	STORAGE TEMP., HUMID. AND		-10 to +70°C, 20 - 90%RH (Non condensing), 3,000m (10,000feet) max -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max				
ENVIRONMENT	VIBRATION	ALIIIUDE	-20 to +75 C, 20 - 90% HH (Non condensing), 9,000m (30 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes ea				
	IMPACT			CIT AIUTY A, T ATIU Z AXIS			
SAFETY AND		IV AC innut	196.1m/s² (20G), 11ms, once each X, Y and Z axis  ANSI/AAMI ES60601-1, EN60601-1 3rd, Complies with IEC60601-1-2 4th Ed.				
NOISE	CONDUCTED NOISE		Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B,				
	HARMONIC ATTENU		Complies with FCC-B, VCCI-B, CISPR22-B, ENSSUTI-B, Complies with IEC61000-3-2 (Class A) *8	L1400022-D			
	CASE SIZE/WEIGHT		84 × 46 × 180mm [3.31 × 1.81 × 7.09 inches] (W × H × D)	/ 540g may (with chassis & cover : 960g may)			
OTHERS	COOLING METHOD		Convection / Forced air *5	540g max (with chassis a cover : 600g max)			
	COOLING WE I HOD		Convection / Porced all **				

- Specification is changed at option, refer to Instruction Manual.
- Peak loading for 10sec. And Duty 40% max. ( ) means peak current. There is a possibility that an internal device is damaged when the specification is exceeded.
- This is the value that measured on measuring board with capacitor of 22 µ F at 150mm from output terminal.
  - Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent
- to KEISOKU-GIKEN: BM103).
- Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.
- Derating is required.
- Applicable when remote control (optional) is added.
- Please contact us about dynamic load and input response.
- Please contact us about another class.
- To meet the specifications. Do not operate over-loaded condition.
- Parallel operation is not possible.
- Derating is required when operated with chassis and cover.
- Sound noise may be generated by power supply in case of pulse load

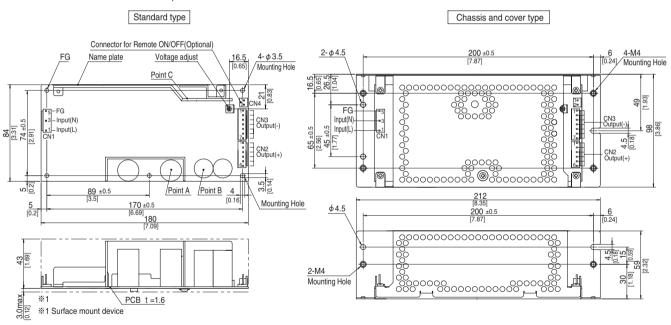


# Block diagram



#### **External view**

\* External size of option is different from standard model.



- \* The back side of P.C.B. of the power supply is assembled some
- Be attention not to bump against the attached area by vibration. W Use the spacer of 8mm length or more regarding insulation.
- And do not use press-fitting bush.
- ※ Point A, Point B, Point C are thermometry points.

I/C	Connector Connector	Mating connector	Terminal	
CNI	1-1123724-3	1-1123722-5	Chain	1123721-1
CIVI	1-1123724-3	1-1123722-5	Loose	1318912-1
CNIO	4 4400700 0	1-1123722-6	Chain	1123721-1
CN2	1-1123723-6	1-1123/22-6	Loose	1318912-1
ONIO	4 4400700 7	1-1123722-7	Chain	1123721-1
CN3	1-1123723-7	1-1123/22-/	Loose	1318912-1

(Mfr:Tyco Electronics)

- % I/O Connector is Mfr. Tyco Electronics
- ※ Option:-J1:VH(J.S.T) connector type.

### <PIN CONNECTION>

\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	A III GOTTILOTO							
CN1			CN2			CN3		
Pin No.	Input		Pin No.	Output		Pin No.	Output	
1	AC(L)							
2								
3	AC(N)		1 to 6	+V		1 to 7	-V	
4								
5	FG							

- ※ Keep drawing current per pin below 5A for CN2,CN3.
- % Tolerance : ±1 [±0.04]
- \* Weight: 540g max (with chassis & cover: 860g max)
- \* PCB material : CEM3
- \* Optional chassis and cover material : Electric galvanizing steel board.
- \* Dimensions in mm, [ ]=inches
- Mounting torque (Mounting hole of chassis) :1.5N · m (16kgf · cm) max

### Connector type

CN4 Option (Mfr:J.S.T)

PIN No.	Contents	
1	RC(+)	
2	RC(-)	

Barrier strip type

Model B2B-XH-A Mating Connector (Terminal) XHP-2 BXH-001T-P0.6