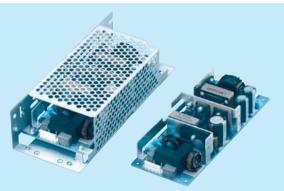
# LMA100F

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 (206.4) *2		
DC OUTPUT	24V 4.3A	24V 4.3A (8.6A) *2	

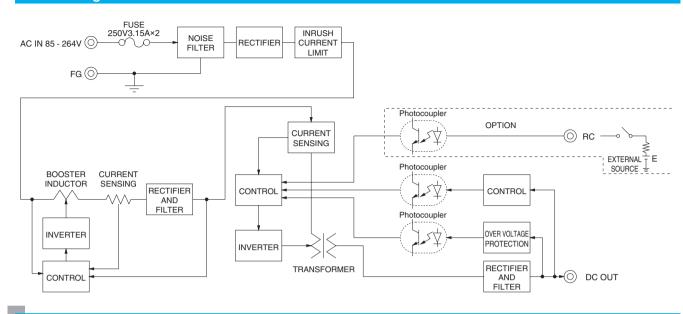
## **SPECIFICATIONS**

	MODEL		LMA100F-24-Y LMA100F-24-HY				
	VOLTAGE[V]		AC85 - 264 1 ¢				
	OUDDENTIAL	ACIN 100V	1.4typ (lo=100%)				
	CURRENT[A] ACIN 200V		0.7typ (lo=100%)				
	FREQUENCY[Hz]		50 / 60 (47 - 63)				
	EFFICIENCY[0/]	ACIN 100V	84.0typ (lo=100%)	84.0typ (lo=100%)			
INPUT	EFFICIENCY[%]	ACIN 200V	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]	ACIN 100V	15typ (lo=100%) (At cold start) (Ta=25°C)				
	INNUSTI 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	ording to IEC60601-1)			
	VOLTAGE[V]		24	24			
	CURRENT[A]		4.3	4.3 (Peak 8.6) *2			
	LINE REGULATION[		96max	96max			
	LOAD REGULATION		150max	150max			
	RIPPLE[mVp-p] *3		120max	120max			
	Tim T EE[mvp p]		160max	160max			
	RIPPLE NOISE[mVp-p]*3		150max	150max			
OUTPUT	TIII T EE NOICE[IIIVP P]		180max	180max			
	TEMPERATURE REGULATION[mV]		240max	240max			
			290max	290max			
	DRIFT[mV]	*4	96max	96max			
	START-UP TIME[ms]		350typ (ACIN 100V, Io=100%)				
	HOLD-UP TIME[ms]		20typ (ACIN 100V, lo=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					
ISOLATION	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M $\Omega$ min (At Room Temperature) 1MOOP				
	OUTPUT RO	*6	AC500V 1minute, Cutoff current = 25mA, DC500V 50M $\Omega$ min (At Room Temperature)				
	OUTPUT-RC		710 100 V Trimitate, Gateri Garretti Zerrist, De 100 V Terris Trimi V te 100 m Terriporatare,				
	STORAGE TEMP., HUMID. AND		-10 to +70°C, 20 - 90%RH (Non condensing), 3,000m (10,000feet) max				
ENVIRONMENT	VIBRATION	ALIIIUDE	-20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max  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	AGENCY APPROVALS (AT ON	IV AC input)		FC60601-1-2 4th Ed			
NOISE	CONDUCTED NOISE		ANSI/AAMI ES60601-1, EN60601-1 3rd, Complies with IEC60601-1-2 4th Ed.  Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B, EN55022-B				
	HARMONIC ATTENU		Complies with IEC61000-3-2 (Class A) *8	LINOULL D			
	CASE SIZE/WEIGHT		62 X 33 X 155mm [2.44 X 1.30 X 6.10 inches] (WXHXD) /	290g max (with chassis & cover : 470g max)			
OTHERS	COOLING METHOD	-	Convection *5	2009 max (with originals & cover . 47 og max)			
	COOLING WETHOD		CONVECTION ***				

- 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 \*8 Please contact us about another class.
- \*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.
  - \*7 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.

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 Ontbring (-) 24.5 (-) 36 (-) 36 (-) 4.2 [-] CN4 --5 – FG FG 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/C	I/O Connector Mating connector		Terminal	
CNIA	1-1123724-3	1-1123722-5	Chain	1123721-1
CIVI	1-1123724-3	1-1123/22-5	Loose	1318912-1
CNIO	1-1123723-8	1-1123722-8	Chain	1123721-1
CINZ	1-1123723-0	1-1123722-0	Loose	1318912-1
			(Mfr:Ty	co Electronics)

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

#### <PIN CONNECTION>

CN2 CN1 Pin No. Pin No. Input Output 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.
- \* 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(-)

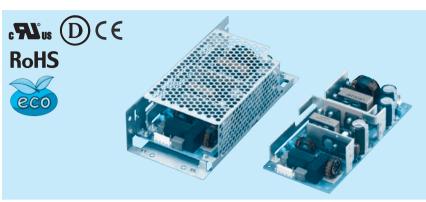
Barrier strip type

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 ¢			
		ACIN 100V	2.0typ (lo=100%)			
	CURRENT[A]	ACIN 200V	1.0typ (lo=100%)			
	FREQUENCY[Hz]		50 / 60 (47 - 63)			
	ACIN 100V		85.0typ (lo=100%)	85.0typ (Io=100%)		
INPUT	EFFICIENCY[%]	ACIN 200V	87.0typ (lo=100%)	87.0typ (Io=100%)		
	DOWED FACTOR	ACIN 100V	0.99typ (lo=100%)			
	POWER FACTOR	ACIN 200V	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		
	KIPPLE[IIIVP-P] **	-10 - 0℃	160max	160max		
	RIPPLE NOISE[mVp-p]*3	0 to +50°C	150max	150max		
OUTPUT	RIPPLE NOISE[IIIVP-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 50M $\Omega$ min (At Room Temperature) 1MOOP			
ISOLATION	OUTPUT-RC-FG	*6	AC500V 1minute, Cutoff current = 25mA, DC500V 50MΩ min (At Room Temperature)			
	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			
LITTIIONWENT	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 X 36.5 X 160mm [2.95 X 1.44 X 6.30 inches] (W X H X D) / 370g max (with chassis & cover : 600g max)			
OTHERS	COOLING METHOD		Convection *5			

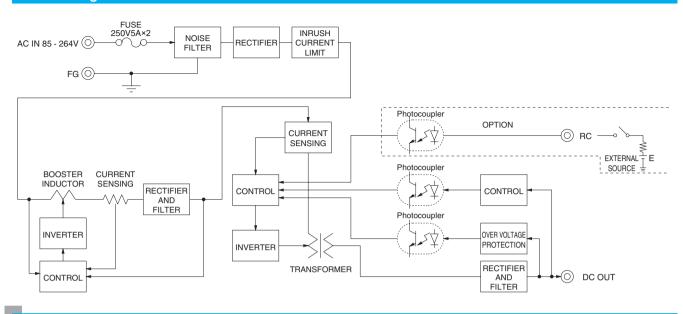
- Specification is changed at option, refer to Instruction Manual.
- Peak loading for 10sec. And Duty 40% max.
   () means peak current. There is a possibility that an internal device is damaged when the specification is exceeded.

to KEISOKU-GIKEN: RM103).

- \*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.

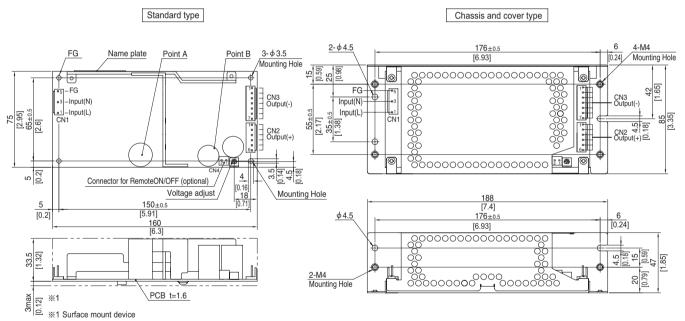


# Block diagram



#### **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	I/O Connector Mating connector		Terminal	
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	1-1123723-7	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>

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				

- $\ensuremath{\ensuremath{\mathbb{X}}}$  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

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

Barrier	strip	type

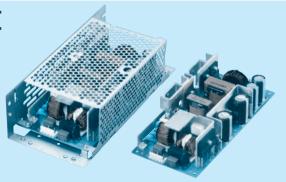
Model B2B-XH-A Mating Connector (Terminal) XHP-2

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

# 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 OUTPUT	Convection	24V 10A	24V 10A (20A) *2
DC OUTPUT	Forced air	24V 12.5A	24V 12.5A (20A) *2

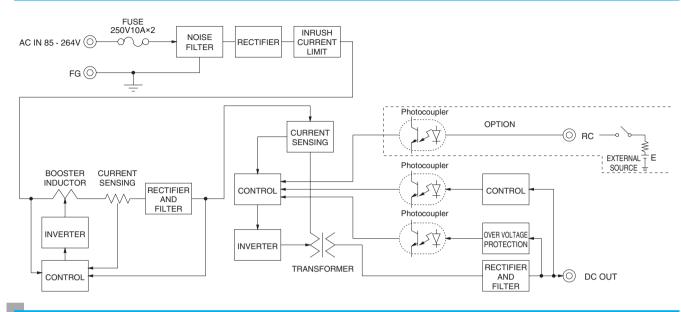
#### **SPECIFICATIONS**

	MODEL		LMA240F-24-Y	LMA240F-24-HY			
	VOLTAGE[V]		AC85 - 264 1 $\phi$				
		ACIN 100V	3.9typ (Io=100%)				
	CURRENT[A] ACIN 200V		1.8typ (lo=100%)				
	FREQUENCY[Hz]		50 / 60 (47 - 63)				
	ACIN 100V		86.0typ (lo=100%)	86.0typ (Io=100%)			
INPUT	EFFICIENCY[%]	ACIN 200V	88.0typ (lo=100%)	88.0typ (Io=100%)			
	DOWED FACTOR	ACIN 100V	.99typ (lo=100%)				
	POWER FACTOR	ACIN 200V	0.95typ (lo=100%)				
	INRUSH CURRENT[A]	ACIN 100V	15 / 30typ (lo=100%) (Primary inrush current /Secondary inrush current) (More than 3 sec. to re-start)				
	INNUSH CONNENT[A]	ACIN 200V	30 / 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			
	uller refills b-bl		160max	160max			
OUTPUT	RIPPLE NOISE[mVp-p]*3		150max	150max			
001101	MIFFEE MOISE[IIIVP-P]*	-10 - 0℃	180max	180max			
	TEMPERATURE REGULATION[mV]		240max	240max			
	TEMI ENATORE REGUENTON(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		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		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 1 min ( 2 cccc 1 ccm - 1 min ( ) to 1 ccm ccm ccm ccm ccm ccm ccm ccm ccm c				
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  10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis				
	VIBRATION			ch along A, r and Z axis			
CAFETY AND	ACENCY ADDROVALS (AT ON	IV AC innov4\	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.				
SAFETY AND NOISE	CONDUCTED NOISE		Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B,				
	HARMONIC ATTENU		Complies with IEC61000-3-2 (Class A) *8	LINUUUZZ-D			
REGULATIONS	CASE SIZE/WEIGHT		84×46×180mm [3.31×1.81×7.09 inches] (W×H×D)	/ E40g may (with chaosin & cover : 960g may)			
OTHERS	COOLING METHOD			540g max (with chassis & cover : 660g max)			
	COOLING WETHOD		Convection / Forced air *5				

- 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

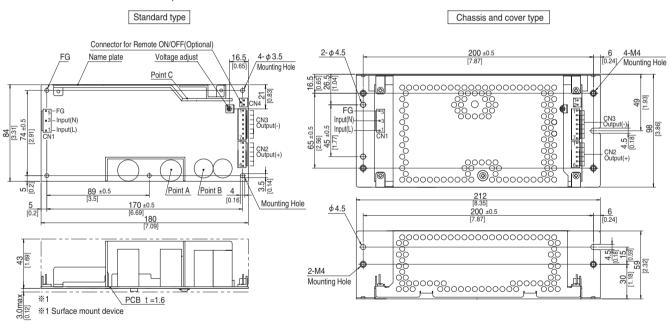


# Block diagram



#### **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/O Connector		Mating connector	Terminal		
CN1	1-1123724-3	1-1123722-5	Chain	1123721-1	
			Loose	1318912-1	
CN2	1-1123723-6	1-1123722-6	Chain	1123721-1	
			Loose	1318912-1	
CN3	1-1123723-7	1-1123722-7	Chain	1123721-1	
		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>

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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

or SXH-001T-P0.6