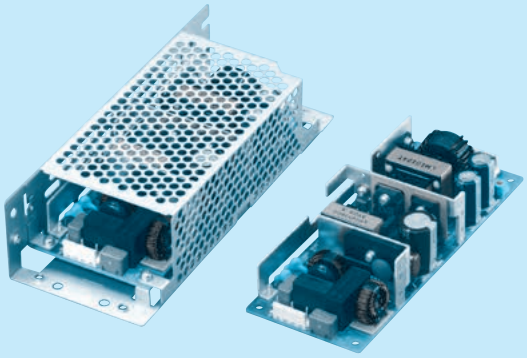
COSEL AC-DC Power Supplies Medical Type

LMA100F

Ordering information

LM	A	100	F	-□	-□
①	②	③	④	⑤	⑥



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.

①Series name
②Single output
③Output wattage
④Universal input
⑤Output voltage
⑥Optional ＊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

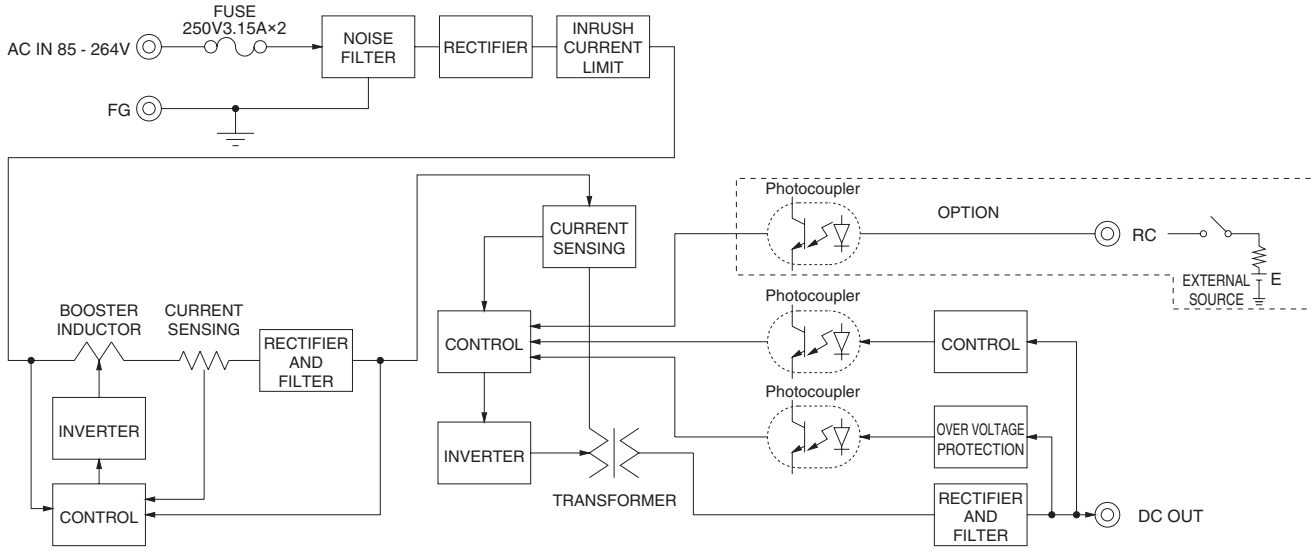
SPECIFICATIONS

	MODEL		LMA100F-24-Y	LMA100F-24-HY
INPUT	VOLTAGE[V]		AC85 - 264 1φ	
	CURRENT[A]	ACIN 100V	1.4typ (Io=100%)	
		ACIN 200V	0.7typ (Io=100%)	
	FREQUENCY[Hz]		50 / 60 (47 - 63)	
	EFFICIENCY[%]	ACIN 100V	84.0typ (Io=100%)	84.0typ (Io=100%)
		ACIN 200V	86.0typ (Io=100%)	86.0typ (Io=100%)
	POWER FACTOR	ACIN 100V	0.99typ (Io=100%)	
		ACIN 200V	0.95typ (Io=100%)	
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%) (At cold start) (Ta=25℃)	
		ACIN 200V	30typ (Io=100%) (At cold start) (Ta=25℃)	
	LEAKAGE CURRENT[mA]		0.10 / 0.25max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60601-1)	
OUTPUT	VOLTAGE[V]		24	24
	CURRENT[A]		4.3	4.3 (Peak 8.6) ＊2
	LINE REGULATION[mV] ＊7		96max	96max
	LOAD REGULATION[mV] ＊7		150max	150max
	RIPPLE[mVp-p] ＊3	0 to +50℃	120max	120max
		-10 - 0℃	160max	160max
	RIPPLE NOISE[mVp-p] ＊3	0 to +50℃	150max	150max
		-10 - 0℃	180max	180max
	TEMPERATURE REGULATION[mV]	0 to +50℃	240max	240max
		-10 to +50℃	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
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION		Works over 105% of rating (works over 101% of peak current at option -H) and recovers automatically	
	OVERVOLTAGE PROTECTION[V]		27.60 to 33.60	27.60 to 33.60
	OPERATING INDICATION		Not provided	
	REMOTE SENSING		Not provided	
	REMOTE ON/OFF		Option (Required external power source.)	
ISOLATION	INPUT-OUTPUT-RC ＊6		AC4,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 2MOOP	
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 1MOOP	
	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)	
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE ＊5		-10 to +70℃, 20 - 90%RH (Non condensing), 3,000m (10,000feet) max	
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max	
	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 NOISE REGULATIONS	AGENCY APPROVALS (AT ONIY AC input)		ANSI/AAMI ES60601-1, EN60601-1 3rd, Complies with IEC60601-1-2 4th Ed.	
	CONDUCTED NOISE		Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B, EN55022-B	
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2 (Class A) ＊8	
OTHERS	CASE SIZE/WEIGHT		62×33×155mm [2.44×1.30×6.10 inches] (W×H×D) / 290g max (with chassis & cover : 470g max)	
	COOLING METHOD		Convection ＊5	

＊1 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.
＊3 This is the value that measured on measuring board with capacitor of 22μF at 150mm from output terminal.
Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM103).
＊4 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25℃, with the input voltage held constant at the rated input/output.
＊5 Derating is required.
＊6 Applicable when remote control (optional) is added.
＊7 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.

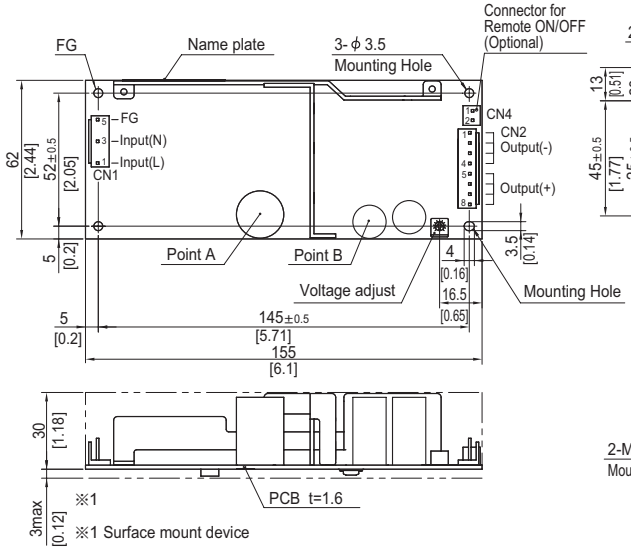
Block diagram



External view

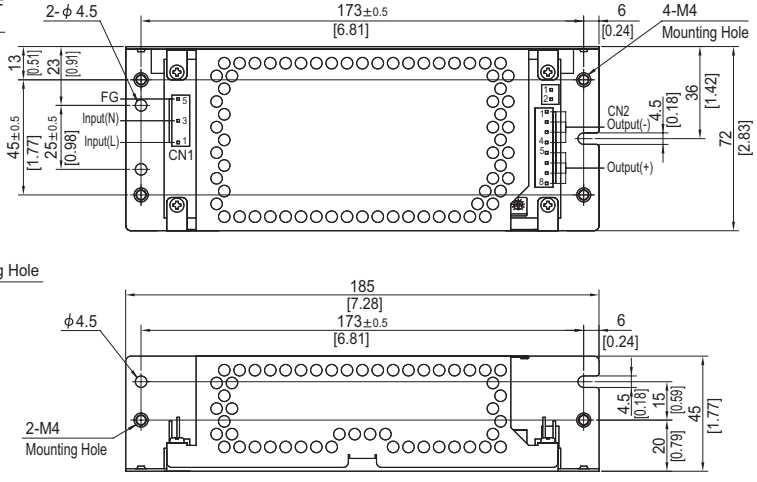
※ External size of option is different from standard model.

Standard type



※1 Surface mount device

Chassis and cover type



※ 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	Terminal	
CN1	1-1123724-3	1-1123722-5	Chain	1123721-1
			Loose	1318912-1
CN2	1-1123723-8	1-1123722-8	Chain	1123721-1
			Loose	1318912-1

(Mfr:Tyco Electronics)

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

<PIN CONNECTION>

CN1

Pin No.	Input
1	AC(L)
2	
3	AC(N)
4	
5	FG

CN2

Pin No.	Output
1 to 4	-V
5 to 8	+V

※ 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

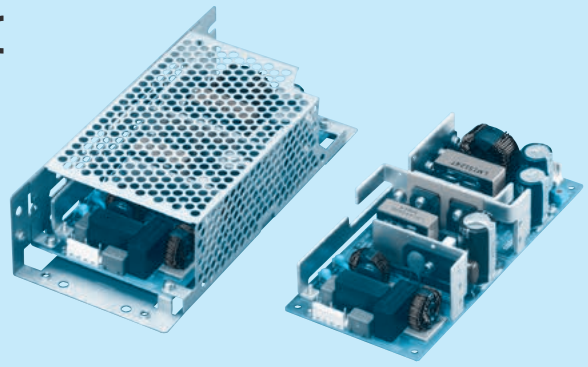
Model B2B-XH-A
Mating Connector (Terminal)
XHP-2
(BXH-001T-P0.6 or SXH-001T-P0.6)

COSEL AC-DC Power Supplies Medical Type

LMA150F

Ordering information

LM	A	150	F	-□	-□
①	②	③	④	⑤	⑧



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.

①Series name
②Single output
③Output wattage
④Universal input
⑤Output voltage
⑧Optional ＊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.

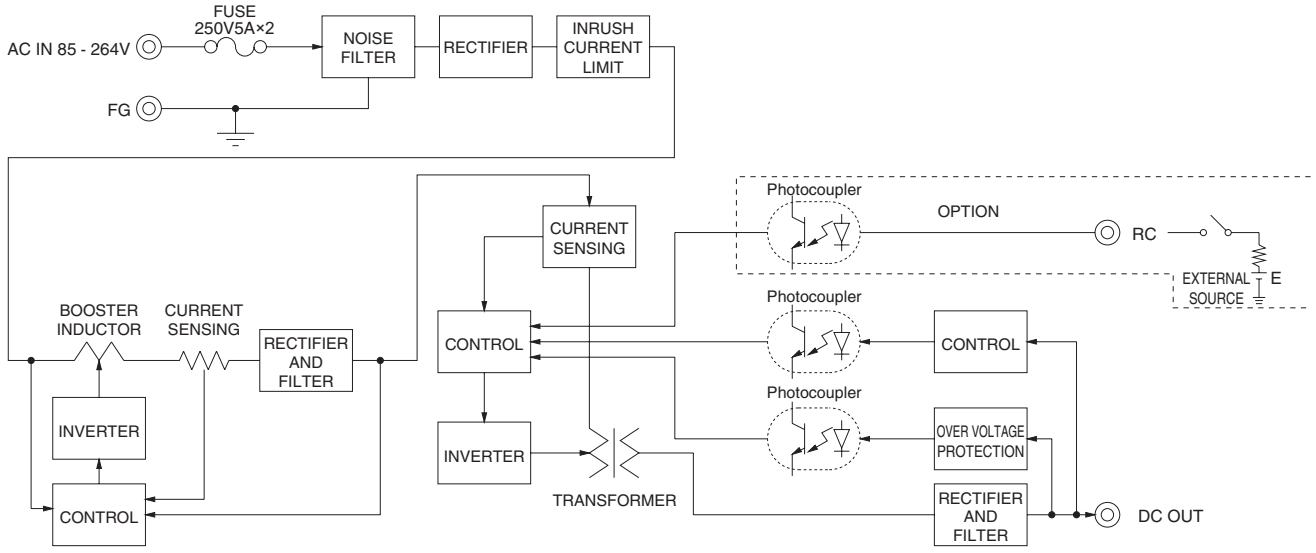
MODEL	LMA150F-24-Y	LMA150F-24-HY
MAX OUTPUT WATTAGE[W]	151.2	151.2 (302.4) ＊2
DC OUTPUT	24V 6.3A	24V 6.3A (12.6A) ＊2

SPECIFICATIONS

	MODEL		LMA150F-24-Y	LMA150F-24-HY
INPUT	VOLTAGE[V]		AC85 - 264 1φ	
	CURRENT[A]	ACIN 100V	2.0typ (Io=100%)	
		ACIN 200V	1.0typ (Io=100%)	
	FREQUENCY[Hz]		50 / 60 (47 - 63)	
	EFFICIENCY[%]	ACIN 100V	85.0typ (Io=100%)	85.0typ (Io=100%)
		ACIN 200V	87.0typ (Io=100%)	87.0typ (Io=100%)
	POWER FACTOR	ACIN 100V	0.99typ (Io=100%)	
		ACIN 200V	0.95typ (Io=100%)	
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%) (At cold start) (Ta=25℃)	
		ACIN 200V	30typ (Io=100%) (At cold start) (Ta=25℃)	
	LEAKAGE CURRENT[mA]		0.10 / 0.25max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60601-1)	
OUTPUT	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℃	120max	120max
		-10 - 0℃	160max	160max
	RIPPLE NOISE[mVp-p] ＊3	0 to +50℃	150max	150max
		-10 - 0℃	180max	180max
	TEMPERATURE REGULATION[mV]	0 to +50℃	240max	240max
		-10 to +50℃	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
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION		Works over 105% of rating (works over 101% of peak current at option -H) and recovers automatically	
	OVERVOLTAGE PROTECTION[V]		27.60 to 33.60	27.60 to 33.60
	OPERATING INDICATION		Not provided	
	REMOTE SENSING		Not provided	
	REMOTE ON/OFF		Option (Required external power source.)	
ISOLATION	INPUT-OUTPUT-RC ＊6		AC4,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 2MOOP	
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 1MOOP	
	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)	
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE ＊5		-10 to +70℃, 20 - 90%RH (Non condensing), 3,000m (10,000feet) max	
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max	
	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 NOISE REGULATIONS	AGENCY APPROVALS (AT ONIY AC input)		ANSI/AAMI ES60601-1, EN60601-1 3rd, Complies with IEC60601-1-2 4th Ed.	
	CONDUCTED NOISE		Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B, EN55022-B	
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2 (Class A) ＊8	
OTHERS	CASE SIZE/WEIGHT		75×36.5×160mm [2.95×1.44×6.30 inches] (W×H×D) / 370g max (with chassis & cover : 600g max)	
	COOLING METHOD		Convection ＊5	

＊1 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.
＊3 This is the value that measured on measuring board with capacitor of 22μF at 150mm from output terminal.
Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM103).
＊4 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25℃, with the input voltage held constant at the rated input/output.
＊5 Derating is required.
＊6 Applicable when remote control (optional) is added.
＊7 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.

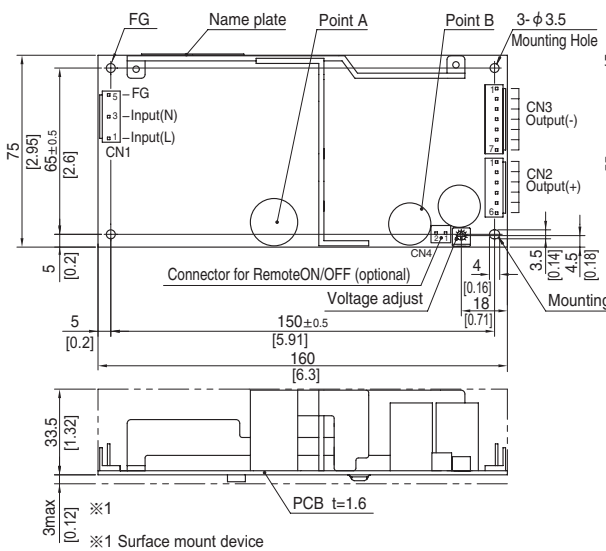
Block diagram



External view

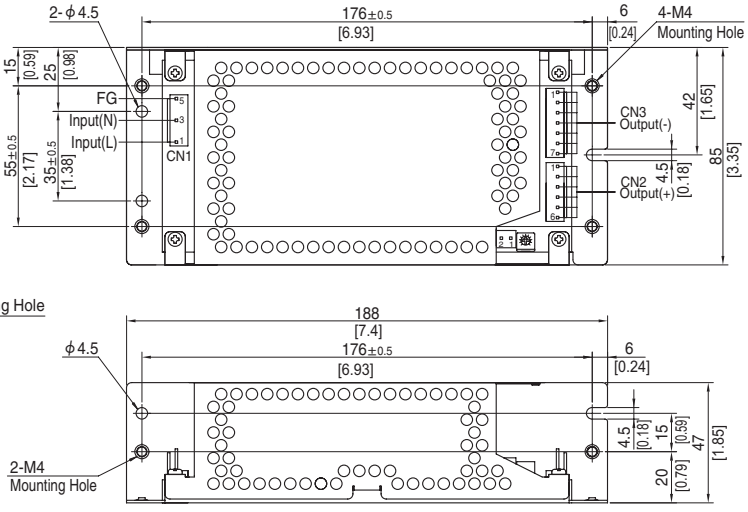
※ External size of option is different from standard model.

Standard type



※1 Surface mount device

Chassis and cover type



※ 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	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
			Loose	1318912-1

(Mfr:Tyco Electronics)

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

<PIN CONNECTION>

CN1

Pin No.	Input
1	AC(L)
2	
3	AC(N)
4	
5	FG

CN2

Pin No.	Output
1 to 6	+V

CN3

Pin No.	Output
1 to 7	-V

※ 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
1	RC(+)
2	RC(-)

Barrier strip type

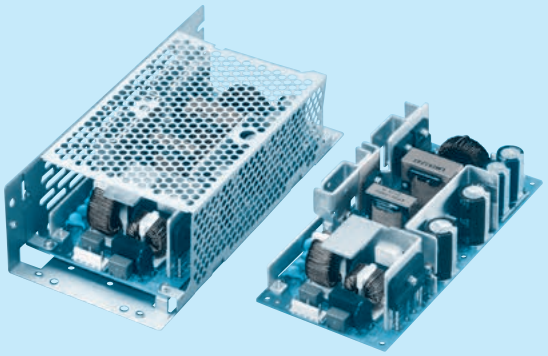
Model B2B-XH-A
Mating Connector (Terminal)
XHP-2
(BXH-001T-P0.6
or SXH-001T-P0.6)

COSEL AC-DC Power Supplies Medical Type

LMA240F

Ordering information

LM	A	240	F	-□	-□
①	②	③	④	⑤	⑥



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.

①Series name
②Single output
③Output wattage
④Universal input
⑤Output voltage
⑥Optional ＊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.

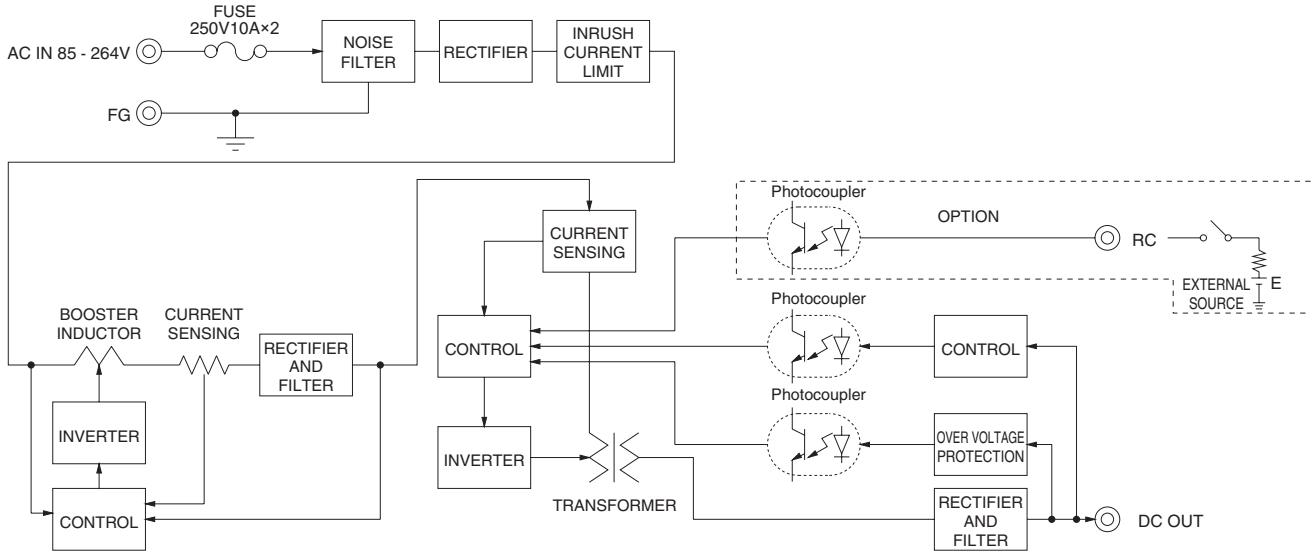
MODEL		LMA240F-24-Y	LMA240F-24-HY
MAX OUTPUT WATTAGE[W]		300	300 (480) ＊2
DC OUTPUT	Convection	24V 10A	24V 10A (20A) ＊2
	Forced air	24V 12.5A	24V 12.5A (20A) ＊2

SPECIFICATIONS

	MODEL		LMA240F-24-Y	LMA240F-24-HY
INPUT	VOLTAGE[V]		AC85 - 264 1φ	
	CURRENT[A]	ACIN 100V	3.9typ (Io=100%)	
		ACIN 200V	1.8typ (Io=100%)	
	FREQUENCY[Hz]		50 / 60 (47 - 63)	
	EFFICIENCY[%]	ACIN 100V	86.0typ (Io=100%)	86.0typ (Io=100%)
		ACIN 200V	88.0typ (Io=100%)	88.0typ (Io=100%)
	POWER FACTOR	ACIN 100V	0.99typ (Io=100%)	
		ACIN 200V	0.95typ (Io=100%)	
	INRUSH CURRENT[A]	ACIN 100V	15 / 30typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 3 sec. to re-start)	
		ACIN 200V	30 / 30typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 3 sec. to re-start)	
	LEAKAGE CURRENT[mA]		0.15 / 0.40max (ACIN 100V / 240V 60Hz, Io=100%, According to IEC60601-1)	
OUTPUT	VOLTAGE[V]		24	24
	CURRENT[A]	Convection	10	10 (Peak 20) ＊2
		Forced air	12.5	12.5 (Peak 20) ＊2
	LINE REGULATION[mV] ＊7		96max	96max
	LOAD REGULATION[mV] ＊7		150max	150max
	RIPPLE[mVp-p] ＊3	0 to +50℃	120max	120max
		-10 - 0℃	160max	160max
	RIPPLE NOISE[mVp-p] ＊3	0 to +50℃	150max	150max
		-10 - 0℃	180max	180max
	TEMPERATURE REGULATION[mV]	0 to +50℃	240max	240max
		-10 to +50℃	290max	290max
	DRIFT[mV] ＊4		96max	96max
	START-UP TIME[ms]		350typ (ACIN 100V, Io=100%)	
	HOLD-UP TIME[ms] ＊9		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
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION		Works over 105% of rating (works over 101% of peak current at option -H) and recovers automatically	
	OVERVOLTAGE PROTECTION[V]		27.60 to 33.60	27.60 to 33.60
	OPERATING INDICATION		Not provided	
	REMOTE SENSING		Not provided	
	REMOTE ON/OFF		Option (Required external power source.)	
ISOLATION	INPUT-OUTPUT-RC ＊6		AC4,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 2MOOP	
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 1MOOP	
	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)	
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE ＊5		-10 to +70℃, 20 - 90%RH (Non condensing), 3,000m (10,000feet) max	
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max	
	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 NOISE REGULATIONS	AGENCY APPROVALS (AT ONIY AC input)		ANSI/AAMI ES60601-1, EN60601-1 3rd, Complies with IEC60601-1-2 4th Ed.	
	CONDUCTED NOISE		Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B, EN55022-B	
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2 (Class A) ＊8	
OTHERS	CASE SIZE/WEIGHT		84×46×180mm [3.31×1.81×7.09 inches] (W×H×D) / 540g max (with chassis & cover : 860g max)	
	COOLING METHOD		Convection / Forced air ＊5	

＊1 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.
＊3 This is the value that measured on measuring board with capacitor of 22μF at 150mm from output terminal.
Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN: RM103).
＊4 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25℃, with the input voltage held constant at the rated input/output.
＊5 Derating is required.
＊6 Applicable when remote control (optional) is added.
＊7 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.

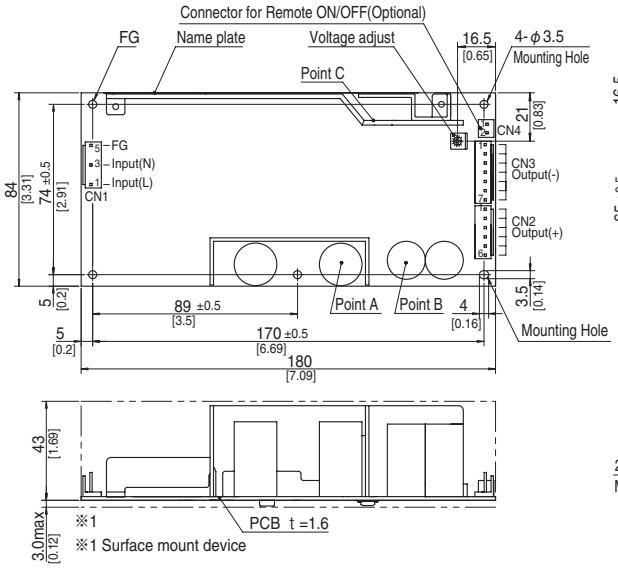
Block diagram



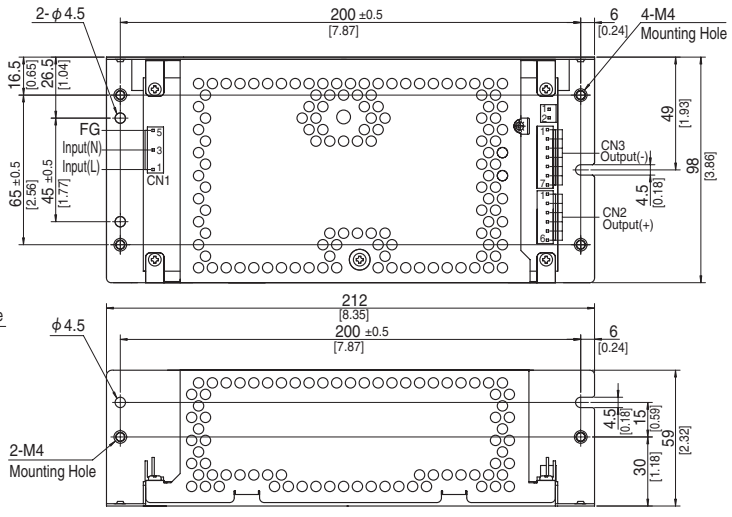
External view

※ External size of option is different from standard model.

Standard type



Chassis and cover type



※ 5 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, 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
			Loose	1318912-1

(Mfr:Tyco Electronics)

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

<PIN CONNECTION>

CN1

Pin No.	Input
1	AC(L)
2	
3	AC(N)
4	
5	FG

CN2

Pin No.	Output
1 to 6	+V

CN3

Pin No.	Output
1 to 7	-V

※ 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)