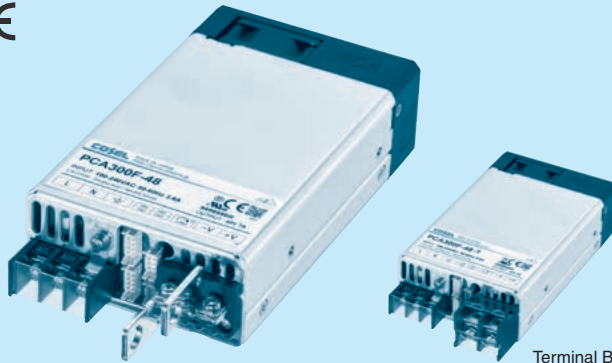


PCA300F

PC A 300 F -5 -□

① ② ③ ④ ⑤ ⑥



Terminal Block Style

Example recommended EMI/EMC filter
NAC-06-472



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
- ⑥ Optional *7
- C : with Coating
- G : Low leakage current
- T : Terminal Block Style
- I : with PMBus interface
- F2 : Reverse air exhaust type
- P3 : Master-slave Operation
- W1 : Alarm function

For option details, refer to instruction manual 7.1.

*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	PCA300F-5	PCA300F-12	PCA300F-15	PCA300F-24	PCA300F-32	PCA300F-48
MAX OUTPUT WATTAGE[W]	300	324	330	336	320	336
DC OUTPUT	5V 60A	12V 27A	15V 22A	24V 14A	32V 10A	48V 7A

SPECIFICATIONS

	MODEL		PCA300F-5	PCA300F-12	PCA300F-15	PCA300F-24	PCA300F-32	PCA300F-48	
INPUT	VOLTAGE	[VAC]	85 - 264 1 φ						
		[VDC] *1	88 - 370						
	CURRENT[A]	ACIN 100V	3.8typ						
		ACIN 230V	1.6typ						
	FREQUENCY[Hz]		50/60 (45 - 66)						
	EFFICIENCY[%]	ACIN 100V	(Io=50%)	86typ	87typ	87typ	88typ	88typ	88typ
			(Io=100%)	87typ	88typ	88typ	89typ	89typ	89typ
		ACIN 230V	(Io=50%)	87typ	88typ	88typ	89typ	89typ	89typ
(Io=100%)			89typ	90typ	90typ	91typ	91typ	91typ	
POWER FACTOR	ACIN 100V	0.98typ (Io=100%)							
	ACIN 230V	0.95typ (Io=100%)							
INRUSH CURRENT[A]	ACIN 100V*2	20/40 typ (Io=100%) (Primary inrush current / Secondary inrush current) (More than 3 sec. to re-start)							
	ACIN 230V*2	40/40 typ (Io=100%) (Primary inrush current / Secondary inrush current) (More than 3 sec. to re-start)							
LEAKAGE CURRENT[mA]		0.5max (ACIN 240V 60Hz, Io=100%, According to IEC60601-1)							
OUTPUT	VOLTAGE[V]		5	12	15	24	32	48	
	CURRENT[A]		60	27	22	14	10	7	
	LINE REGULATION[mV]		20max	48max	60max	96max	128max	192max	
	LOAD REGULATION[mV]		40max	100max	120max	150max	150max	480max	
	RIPPLE[mVp-p]	0 to +50℃ *3*4	160max	240max	240max	240max	320max	480max	
		-20 to 0℃ *3	280max	320max	320max	320max	420max	640max	
	RIPPLE NOISE[mVp-p]	0 to +50℃ *3*4	240max	300max	300max	300max	400max	600max	
		-20 to 0℃ *3	320max	360max	360max	360max	480max	720max	
	TEMPERATURE REGULATION[mV]	0 to +50℃ *4	50max	120max	150max	240max	320max	480max	
		-20 to +50℃ *4	75max	180max	180max	290max	400max	600max	
	DRIFT[mV]		*5	20max	48max	60max	96max	128max	192max
	START-UP TIME[ms]		700typ (ACIN 100/230V Io=100%)						
HOLD-UP TIME[ms]		20typ (ACIN 230V Io=80%) / 16typ (ACIN 230V Io=100%)							
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		3.00 to 6.00		7.20 to 14.40	9.00 to 18.00	14.40 to 28.80	19.20 to 38.40	28.80 to 57.60	
OUTPUT VOLTAGE SETTING[V]		5.00 to 5.05		12.00 to 12.12	15.00 to 15.15	24.00 to 24.24	32.00 to 32.32	48.00 to 48.48	
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION		Works over 105% of rating (Recovers automatically, Hiccup overcurrent)						
	OVERVOLTAGE PROTECTION[V]		6.25 to 7.00	15.00 to 16.80	18.75 to 21.00	30.00 to 33.60	40.00 to 44.80	60.00 to 67.20	
	REMOTE SENSING		Provided						
	REMOTE ON/OFF (RC)		Provided						
	DC_OK LAMP		LED (Blue)						
	ALARM LAMP		LED (Orange)						
COMMUNICATION FUNCTION		Provided (Extended UART)							
ISOLATION	INPUT-OUTPUT		AC4,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 2MOPP						
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 1MOPP						
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)						
	OUTPUT-AUX-RC-PG-INFO-DS-ADDR0-ADDR1-ADDR2		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)						
ENVIRONMENT	OPERATING TEMP.,HUMIDITY.AND ALTITUDE		-20 to +70℃, 20 - 90%RH (Non condensing)						
	STORAGE TEMP.,HUMIDITY.AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing)						
	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		UL62368-1, EN62368-1, C-UL (equivalent to CAN/CSA-C22.2 No.62368-1), ANSI/AAMI ES60601-1, EN60601-1 3rd, C-UL (equivalent to CAN/CSA-C22.2 No.60601-1), Complies with IEC60601-1-2 4th Ed.						
	CONDUCTED NOISE		Complies with FCC Part15 classB, VCCI-B, CISPR32-B, EN55011-B, EN55032-B						
	HARMONIC ATTENUATOR *6		Complies with IEC61000-3-2 (class A)						

SPECIFICATIONS

OTHERS	CASE SIZE/WEIGHT	89 X 41 X 152mm [3.50 X 1.61 X 5.98 inches] (without terminal block and screw) (W X H X D) / 840g max
	COOLING METHOD	Forced cooling (internal fan)

*1 DC input safety agency approvals deleted.

*2 The value is primary surge. The current of input surge to a built-in EMI/EMS Filter(0.2ms or less) is excluded.

*3 Measured by 20MHz oscilloscope or Ripple-Noise meter (equivalent to KEISOKU-GIKEN:RM103). Please refer to the instruction manual 2.2.

*4 5V output product, the maximum temperature of 40°C.

*5 Drift is the change in DC output for an eight hours period after a half-hour warm-up at 25°C.

*6 Please contact us about another class.

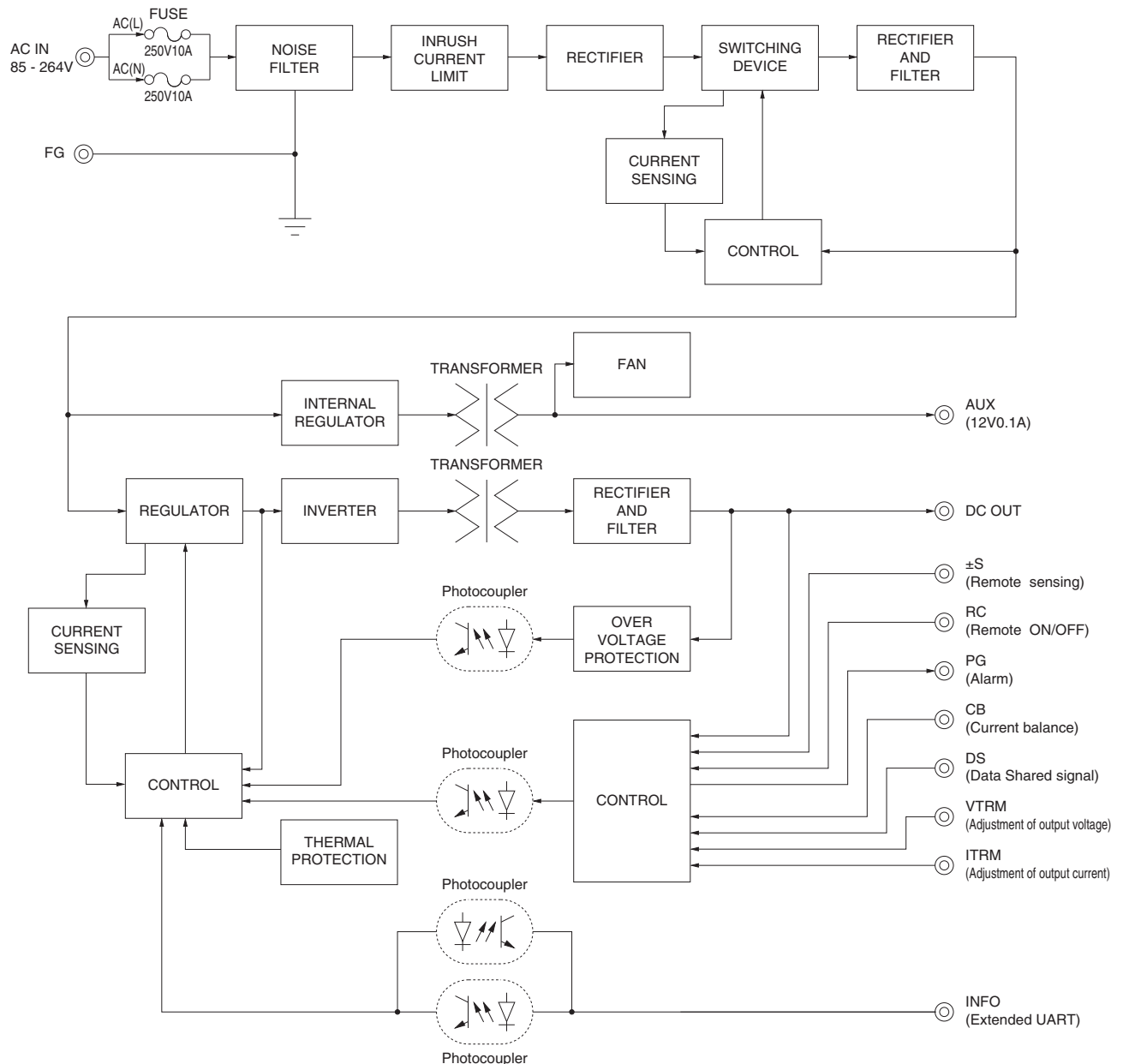
*7 The listed options may affect the published standard specifications. Please contact us for detailed product specifications and safety approvals.

* A sound may occur from power supply at pulse loading.

Features

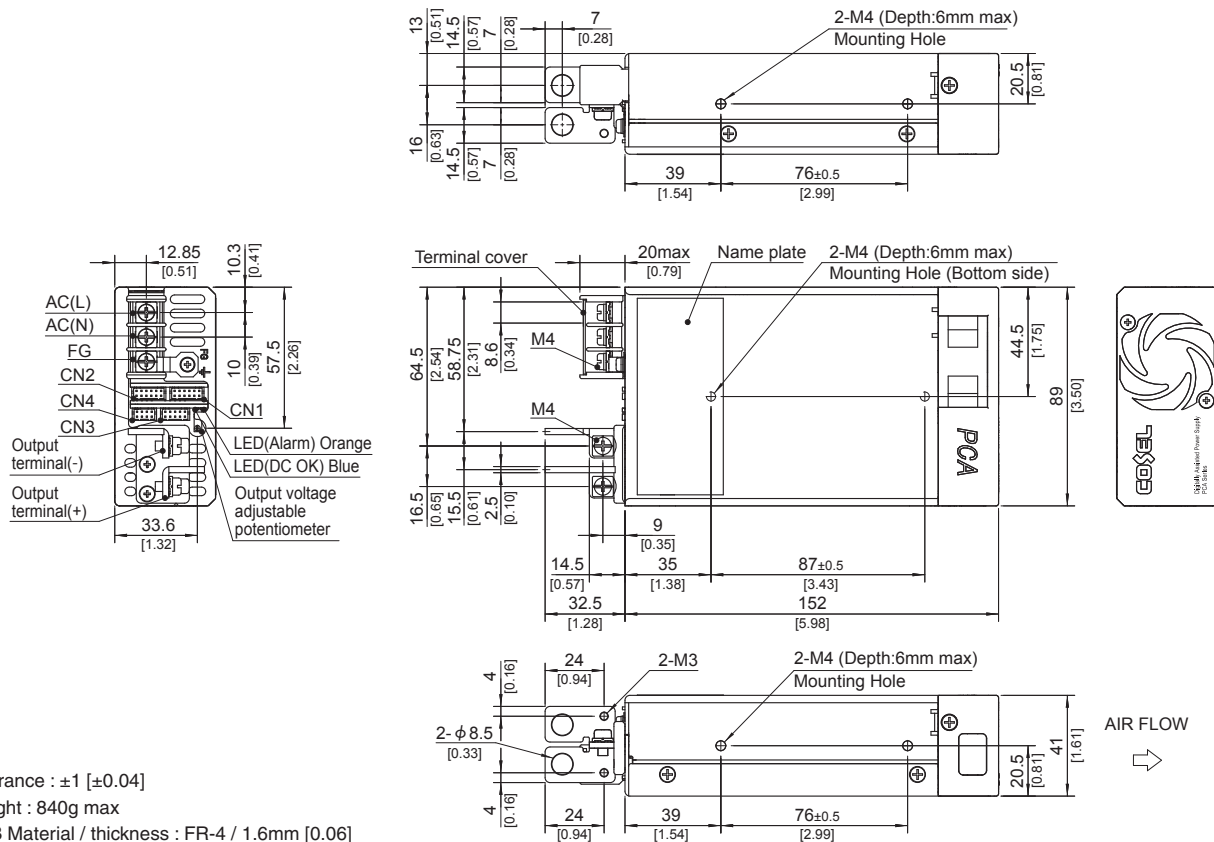
- Low profile (41mm, 1.61 inch = meet to 1U height)
- Universal input 85 - 264VAC
- DC input 88 - 370VDC possible
- For medical electric equipment (ANSI/AAMI ES60601-1, EN60601-1 3rd, IEC60601-1-2 4th Ed.)
- Medical Isolation Grade 2MOPP
- With AUX output 12V 0.1A (Voltage variable range 5 - 12V)
- Constant current regulation
- Output voltage can be varied to near 0V (Refer to item 3.6)
- With various alarms
- Parallel Operation / N+1 Parallel Redundancy Operation possible
- Monitoring function by communication and various setting values can be changed (Refer to item 3.11)

Block diagram



External view

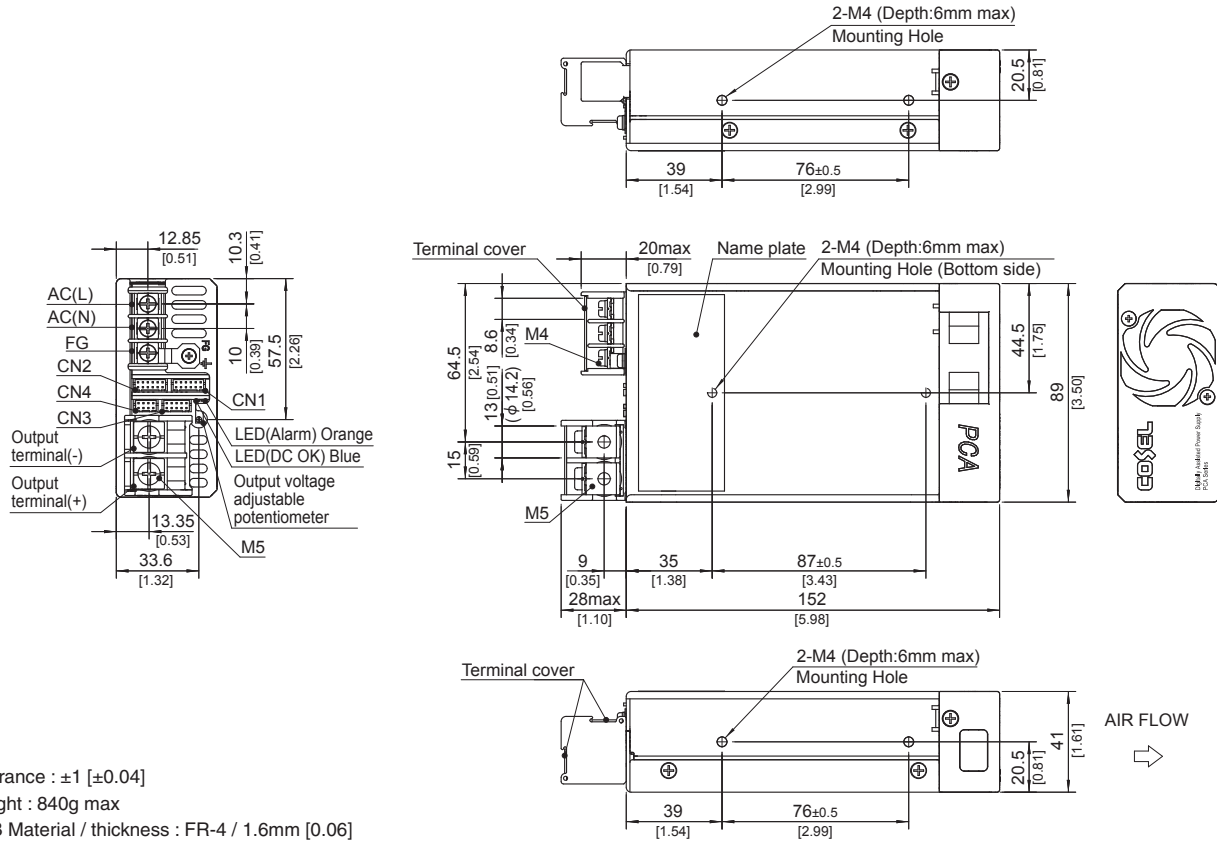
<PCA300F-□ (Bus Bar Style) >



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 840g max
- ※ PCB Material / thickness : FR-4 / 1.6mm [0.06]
- ※ Chassis Material : Aluminum
- ※ Fan cover Material : PBT
- ※ Dimensions in mm, [] = inches
- ※ Mounting torque : 1.2N·m max
- ※ Input and output terminal screw tightening torque
 - M3 0.6N·m max
 - M4 1.6N·m max
- ※ Please connect safety ground to FG terminal on the unit.

External view

<PCA300F-□-T (Terminal Block Style) >



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 840g max
- ※ PCB Material / thickness : FR-4 / 1.6mm [0.06]
- ※ Chassis Material : Aluminum
- ※ Fan cover Material : PBT
- ※ Dimensions in mm, [] = inches
- ※ Mounting torque : 1.2N·m max
- ※ Input and output terminal screw tightening torque
 - M4 1.6N·m max
 - M5 2.5N·m max
- ※ Please connect safety ground to FG terminal on the unit.

PCA600F

PC A 600 F -5 -

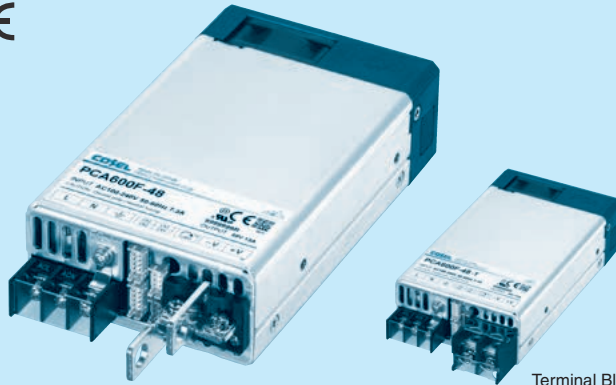
① ② ③ ④ ⑤ ⑥



RoHS



2MOPP



Terminal Block Style

Example recommended EMI/EMC filter
NAC-16-472



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
- ⑥ Optional *7
- C : with Coating
- G : Low leakage current
- T : Terminal Block Style
- (Only 12V, 15V, 24V, 32V and 48V)
- I : with PMBus interface
- F2 : Reverse air exhaust type
- P3 : Master-slave Operation
- W1 : Alarm function

For option details, refer to instruction manual 7.1.

* 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	PCA600F-5	PCA600F-12	PCA600F-15	PCA600F-24	PCA600F-32	PCA600F-48
MAX OUTPUT WATTAGE[W]	600	636	645	648	640	624
DC OUTPUT	5V 120A	12V 53A	15V 43A	24V 27A	32V 20A	48V 13A

SPECIFICATIONS

	MODEL		PCA600F-5	PCA600F-12	PCA600F-15	PCA600F-24	PCA600F-32	PCA600F-48	
INPUT	VOLTAGE	[VAC]	85 - 264 1 φ (Output derating is required at less than 90V. Refer to instruction manual 5.2.)						
		[VDC] *1	88 - 370 (Output derating is required at less than 110V.Refer to instruction manual 5.2.)						
	CURRENT[A]	ACIN 100V	7.3typ						
		ACIN 230V	3.2typ						
	FREQUENCY[Hz]		50/60 (45 - 66)						
	EFFICIENCY[%]	ACIN 100V	(Io=50%)	90typ	91typ	91typ	91typ	91typ	91typ
			(Io=100%)	89typ	90typ	90typ	91typ	91typ	91typ
		ACIN 230V	(Io=50%)	92typ	92typ	92typ	93typ	93typ	93typ
			(Io=100%)	91typ	92typ	92typ	93typ	93typ	93typ
POWER FACTOR	ACIN 100V	0.98typ (Io=100%)							
	ACIN 230V	0.95typ (Io=100%)							
INRUSH CURRENT[A]	ACIN 100V*2	20/40 typ (Io=100%) (Primary inrush current / Secondary inrush current) (More than 3 sec. to re-start)							
	ACIN 230V*2	40/40 typ (Io=100%) (Primary inrush current / Secondary inrush current) (More than 3 sec. to re-start)							
LEAKAGE CURRENT[mA]			0.5max (ACIN 240V 60Hz, Io=100%, According to IEC60601-1)						
OUTPUT	VOLTAGE[V]		5	12	15	24	32	48	
	CURRENT[A]		120	53	43	27	20	13	
	LINE REGULATION[mV]		20max	48max	60max	96max	128max	192max	
	LOAD REGULATION[mV]		40max	100max	120max	150max	150max	480max	
	RIPPLE[mVp-p]	0 to +50℃ *3*4	160max	240max	240max	240max	320max	480max	
		-20 to 0℃ *3	280max	320max	320max	320max	420max	640max	
	RIPPLE NOISE[mVp-p]	0 to +50℃ *3*4	240max	300max	300max	300max	400max	600max	
		-20 to 0℃ *3	320max	360max	360max	360max	480max	720max	
	TEMPERATURE REGULATION[mV]	0 to +50℃ *4	50max	120max	150max	240max	320max	480max	
		-20 to +50℃ *4	75max	180max	180max	290max	400max	600max	
	DRIFT[mV]	*5	20max	48max	60max	96max	128max	192max	
	START-UP TIME[ms]			700typ (ACIN 100/230V Io=100%)					
	HOLD-UP TIME[ms]			20typ (ACIN 230V Io=80%) / 16typ (ACIN 230V Io=100%)					
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]			3.00 to 6.00	7.20 to 14.40	9.00 to 18.00	14.40 to 28.80	19.20 to 38.40	28.80 to 57.60	
OUTPUT VOLTAGE SETTING[V]			5.00 to 5.05	12.00 to 12.12	15.00 to 15.15	24.00 to 24.24	32.00 to 32.32	48.00 to 48.48	
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION			Works over 105% of rating (Recovers automatically, Hiccup overcurrent)					
	OVERVOLTAGE PROTECTION[V]			6.25 to 7.00	15.00 to 16.80	18.75 to 21.00	30.00 to 33.60	40.00 to 44.80	60.00 to 67.20
	REMOTE SENSING			Provided					
	REMOTE ON/OFF (RC)			Provided					
	DC_OK LAMP			LED (Blue)					
	ALARM LAMP			LED (Orange)					
	COMMUNICATION FUNCTION			Provided (Extended UART)					
ISOLATION	INPUT-OUTPUT			AC4,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 2MOPP					
	INPUT-FG			AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 1MOPP					
	OUTPUT-FG			AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)					
ENVIRONMENT	OUTPUT - AUX - RC - PG - INFO - DS - ADDR0 - ADDR1 - ADDR2			AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)					
	OPERATING TEMP.,HUMIDITY.AND ALTITUDE			-20 to +70℃, 20 - 90%RH (Non condensing)					
	STORAGE TEMP.,HUMIDITY.AND ALTITUDE			-20 to +75℃, 20 - 90%RH (Non condensing)					
	VIBRATION			10 - 55Hz 19.6m/s ² (2G) 3minutes period, 60minutes each along X, Y and Z axis					
SAFETY AND NOISE REGULATIONS	IMPACT			196.1m/s ² (20G) 11ms, once each X, Y and Z axis					
	AGENCY APPROVALS			UL62368-1, EN62368-1, C-UL (equivalent to CAN/CSA-C22.2 No.62368-1), ANSI/AAMI ES60601-1, EN60601-1 3rd, C-UL (equivalent to CAN/CSA-C22.2 No.60601-1), Complies with IEC60601-1-2 4th Ed.					
	CONDUCTED NOISE			Complies with FCC Part15 classB, VCCI-B, CISPR32-B, EN55011-B, EN55032-B					
	HARMONIC ATTENUATOR *6			Complies with IEC61000-3-2 (class A)					

SPECIFICATIONS

OTHERS	CASE SIZE/WEIGHT	89 X 41 X 152mm [3.50 X 1.61 X 5.98 inches] (without terminal block and screw) (W X H X D) / 840g max
	COOLING METHOD	Forced cooling (internal fan)

*1 DC input safety agency approvals deleted.

*2 The value is primary surge. The current of input surge to a built-in EMI/EMS Filter(0.2ms or less) is excluded.

*3 Measured by 20MHz oscilloscope or Ripple-Noise meter (equivalent to KEISOKU-GIKEN:RM103). Please refer to the instruction manual 2.2.

*4 5V output product, the maximum temperature of 40°C.

*5 Drift is the change in DC output for an eight hours period after a half-hour warm-up at 25°C.

*6 Please contact us about another class.

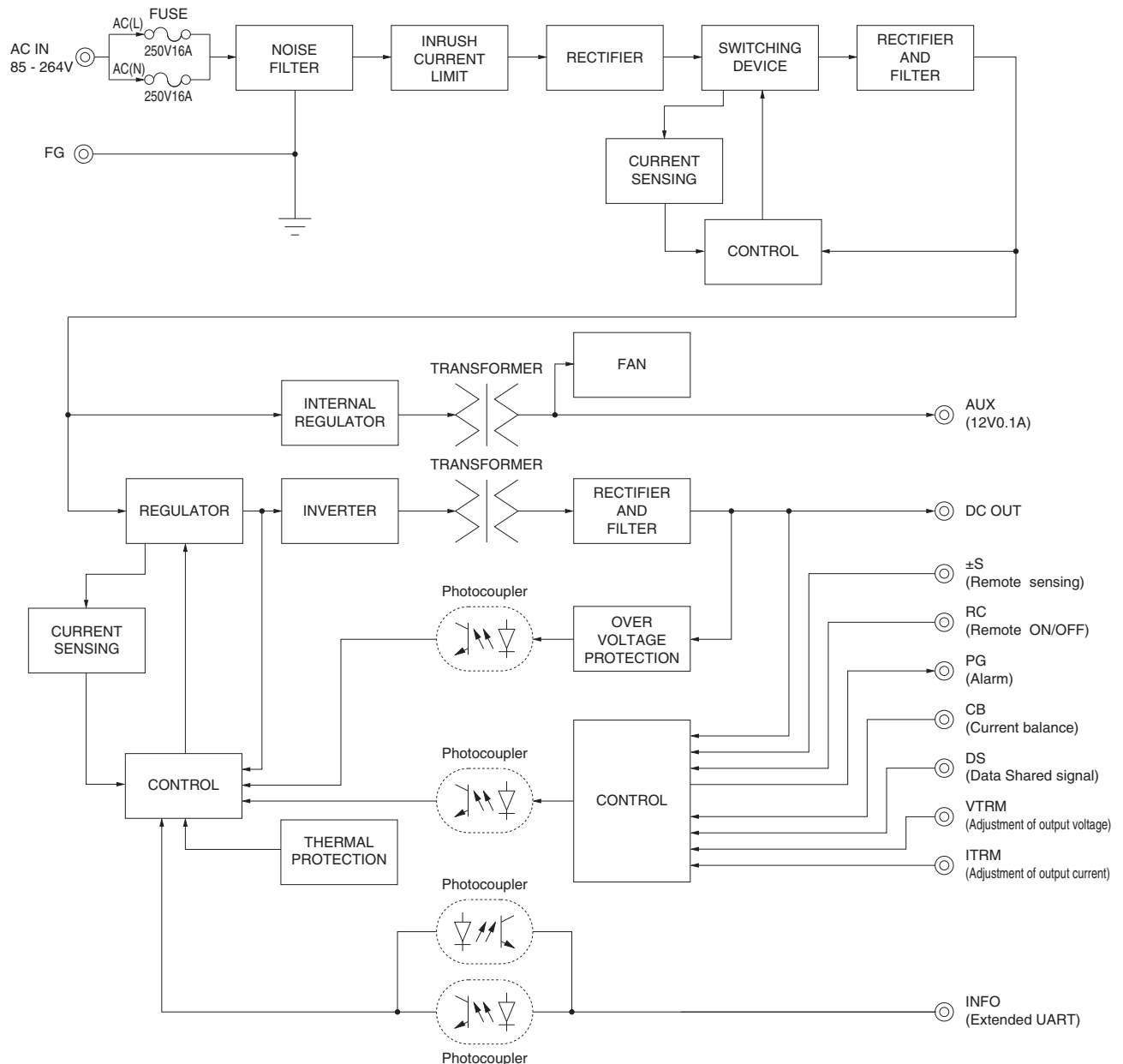
*7 The listed options may affect the published standard specifications. Please contact us for detailed product specifications and safety approvals.

* A sound may occur from power supply at pulse loading.

Features

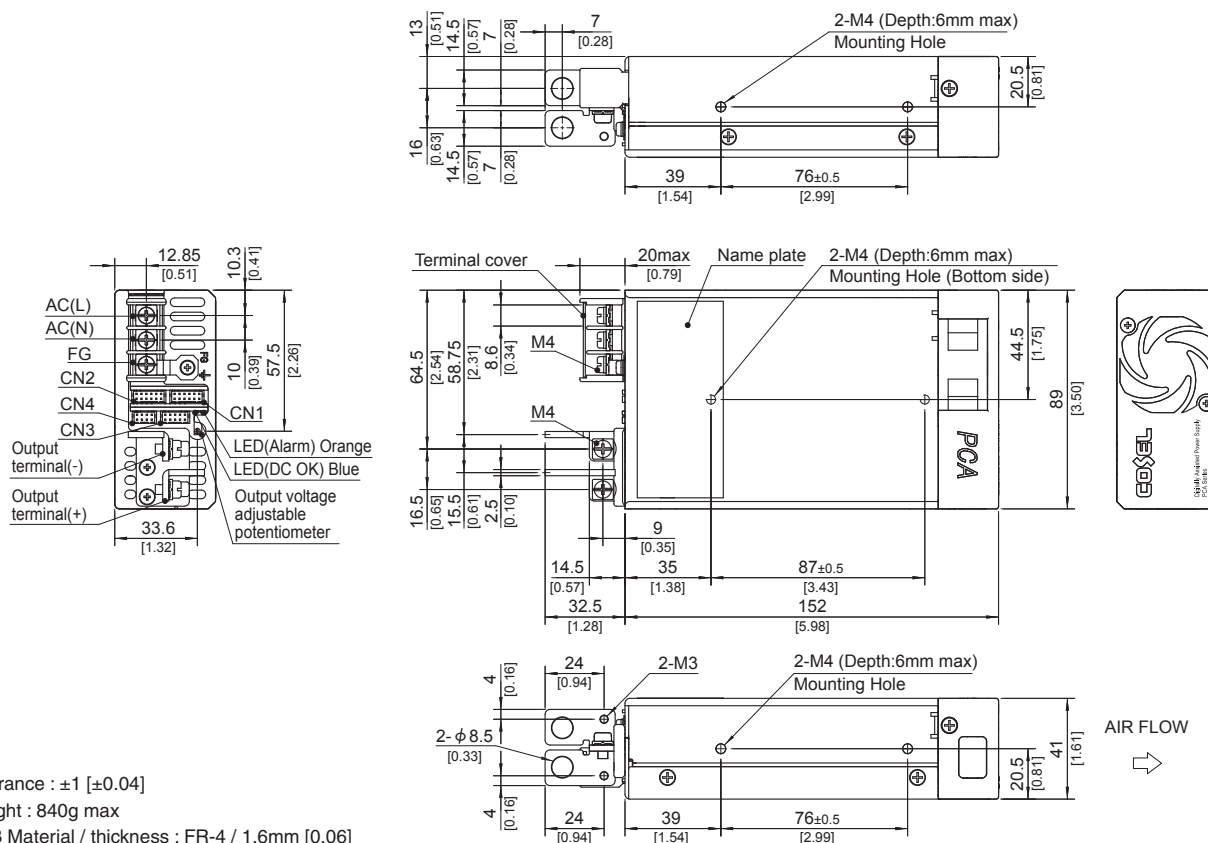
- Low profile (41mm, 1.61 inch = meet to 1U height)
- Universal input 85 - 264VAC (Refer to item 5.2, when using at 85 - 90VAC)
- DC input 88 - 370VDC possible (Refer to item 5.2, when using at 88 - 110VDC)
- For medical electric equipment (ANSI/AAMI ES60601-1, EN60601-1 3rd, IEC60601-1-2 4th Ed.)
- Medical Isolation Grade 2MOPP
- With AUX output 12V 0.1A (Voltage variable range 5 - 12V)
- Constant current regulation
- Output voltage can be varied to near 0V (Refer to item 3.6)
- With various alarms
- Parallel Operation / N+1 Parallel Redundancy Operation possible
- Monitoring function by communication and various setting values can be changed (Refer to item 3.11)

Block diagram



External view

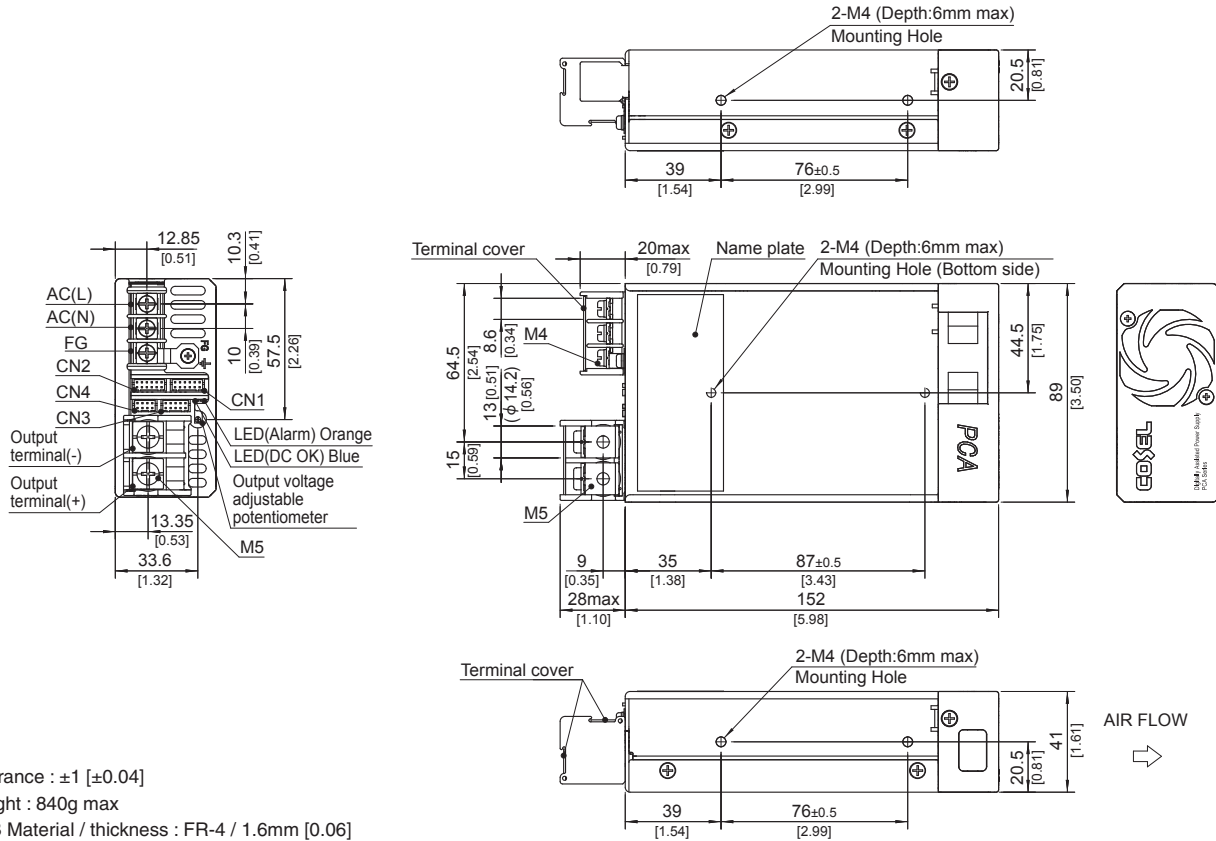
<PCA600F-□ (Bus Bar Style) >



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 840g max
- ※ PCB Material / thickness : FR-4 / 1.6mm [0.06]
- ※ Chassis Material : Aluminum
- ※ Fan cover Material : PBT
- ※ Dimensions in mm, [] = inches
- ※ Mounting torque : 1.2N·m max
- ※ Input and output terminal screw tightening torque
 - M3 0.6N·m max
 - M4 1.6N·m max
- ※ Please connect safety ground to FG terminal on the unit.

External view

<PCA600F-□-T (Terminal Block Style) >



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 840g max
- ※ PCB Material / thickness : FR-4 / 1.6mm [0.06]
- ※ Chassis Material : Aluminum
- ※ Fan cover Material : PBT
- ※ Dimensions in mm, [] = inches
- ※ Mounting torque : 1.2N·m max
- ※ Input and output terminal screw tightening torque
 - M4 1.6N·m max
 - M5 2.5N·m max
- ※ Please connect safety ground to FG terminal on the unit.

PCA1000F

PC A 1000 F -5 -□

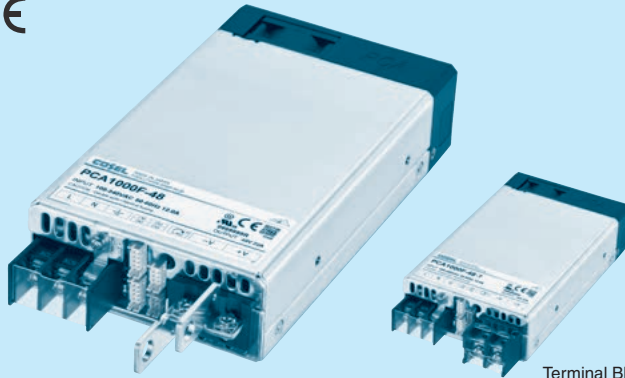
① ② ③ ④ ⑤ ⑥



RoHS



2MOPP



Terminal Block Style

Example recommended EMI/EMC filter
NAC-20-472High 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
⑥ Optional *6
C : with Coating
G : Low leakage current
T : Terminal Block Style
(Only 24V, 32V and 48V)
I : with PMBus interface
F2 : Reverse air exhaust type
P3 : Master-slave Operation
W1 : Alarm function
E1 : EMI classB
(Only 24V, 32V and 48V)

For option details, refer to
instruction manual 7.1.

* 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	PCA1000F-5	PCA1000F-12	PCA1000F-15	PCA1000F-24	PCA1000F-32	PCA1000F-48
MAX OUTPUT WATTAGE[W]	1000	1056	1050	1056	1056	1056
DC OUTPUT	5V 200A	12V 88A	15V 70A	24V 44A	32V 33A	48V 22A

SPECIFICATIONS

	MODEL		PCA1000F-5	PCA1000F-12	PCA1000F-15	PCA1000F-24	PCA1000F-32	PCA1000F-48	
INPUT	VOLTAGE		[VAC]	85 - 264 1 φ (Output derating is required at less than 90V. Refer to instruction manual 5.2.)					
	CURRENT[A]		ACIN 100V	12.0typ					
			ACIN 230V	5.3typ					
	FREQUENCY[Hz]		50/60 (45 - 66)						
	EFFICIENCY[%]	ACIN 100V	(Io=50%)	90typ	91typ	91typ	91typ	91typ	91typ
			(Io=100%)	89typ	90typ	90typ	91typ	91typ	91typ
		ACIN 230V	(Io=50%)	92typ	92typ	92typ	93typ	93typ	93typ
			(Io=100%)	91typ	92typ	92typ	93typ	93typ	93typ
	POWER FACTOR		ACIN 100V	0.98typ (Io=100%)					
			ACIN 230V	0.95typ (Io=100%)					
OUTPUT	INRUSH CURRENT[A]		ACIN 100V※1	20/40 typ (Io=100%) (Primary inrush current / Secondary inrush current) (More than 3 sec. to re-start)					
			ACIN 230V※1	40/40 typ (Io=100%) (Primary inrush current / Secondary inrush current) (More than 3 sec. to re-start)					
	LEAKAGE CURRENT[ma]		0.5max (ACIN 240V 60Hz, Io=100%, According to IEC60601-1)						
	VOLTAGE[V]		5	12	15	24	32	48	
	CURRENT[A]		200	88	70	44	33	22	
	LINE REGULATION[mV]		20max	48max	60max	96max	128max	192max	
	LOAD REGULATION[mV]		40max	100max	120max	150max	150max	480max	
	RIPPLE[mVp-p]	0 to +50℃ ※2※3	160max	240max	240max	240max	320max	480max	
		-20 to 0℃ ※2	280max	320max	320max	320max	420max	640max	
	RIPPLE NOISE[mVp-p]	0 to +50℃ ※2※3	240max	300max	300max	300max	400max	600max	
-20 to 0℃ ※2		320max	360max	360max	360max	480max	720max		
TEMPERATURE REGULATION[mV]	0 to +50℃ ※3	50max	120max	150max	240max	320max	480max		
	-20 to +50℃ ※3	75max	180max	180max	290max	400max	600max		
DRIFT[mV]		※4	20max	48max	60max	96max	128max	192max	
START-UP TIME[ms]		700typ (ACIN 100/230V Io=100%)							
HOLD-UP TIME[ms]		20typ (ACIN 230V Io=80%) / 16typ (ACIN 230V Io=100%)							
OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		3.00 to 6.00	7.20 to 14.40	9.00 to 18.00	14.40 to 28.80	19.20 to 38.40	28.80 to 57.60		
OUTPUT VOLTAGE SETTING[V]		5.00 to 5.05	12.00 to 12.12	15.00 to 15.15	24.00 to 24.24	32.00 to 32.32	48.00 to 48.48		
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION		Works over 105% of rating (Recovers automatically, Hiccup overcurrent)						
	OVERVOLTAGE PROTECTION[V]		6.25 to 7.00	15.00 to 16.80	18.75 to 21.00	30.00 to 33.60	40.00 to 44.80	60.00 to 67.20	
	REMOTE SENSING		Provided						
	REMOTE ON/OFF (RC)		Provided						
	DC_OK LAMP		LED (Blue)						
	ALARM LAMP		LED (Orange)						
COMMUNICATION FUNCTION		Provided (Extended UART)							
ISOLATION	INPUT-OUTPUT		AC4,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 2MOPP						
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature) 1MOPP						
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)						
OUTPUT-AUX-RC-PG-INFO-DS-ADDR0-ADDR1-ADDR2		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)							
ENVIRONMENT	OPERATING TEMP.,HUMIDITY.AND ALTITUDE		-20 to +70℃, 20 - 90%RH (Non condensing)						
	STORAGE TEMP.,HUMIDITY.AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing)						
	VIBRATION		10 - 55Hz 19.6m/s ² (2G) 3minutes period, 60minutes each along X, Y and Z axis						
	IMPACT		196.1m/s ² (20G) 11ms, once each X, Y and Z axis						
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL62368-1, EN62368-1, C-UL (equivalent to CAN/CSA-C22.2 No.62368-1), ANSI/AAMI ES60601-1, EN60601-1 3rd, C-UL (equivalent to CAN/CSA-C22.2 No.60601-1), Complies with IEC60601-1-2 4th Ed.						
	CONDUCTED NOISE		Complies with FCC Part15 classA, VCCI-A, CISPR32-A, EN55011-A, EN55032-A						
	HARMONIC ATTENUATOR ※5		Complies with IEC61000-3-2 (class A)						

SPECIFICATIONS

OTHERS	CASE SIZE/WEIGHT	102×41×178mm [4.02×1.61×7.01 inches] (without terminal block and screw) (W×H×D) / 1.2kg max
	COOLING METHOD	Forced cooling (internal fan)

*1 The value is primary surge. The current of input surge to a built-in EMI/EMS Filter(0.2ms or less) is excluded.

*2 Measured by 20MHz oscilloscope or Ripple-Noise meter (equivalent to KEISOKU-GIKEN:RM103). Please refer to the instruction manual 2.2.

*3 5V, 12V, 15V output product, the maximum temperature of 40°C.

*4 Drift is the change in DC output for an eight hours period after a half-hour warm-up at 25°C.

*5 Please contact us about another class.

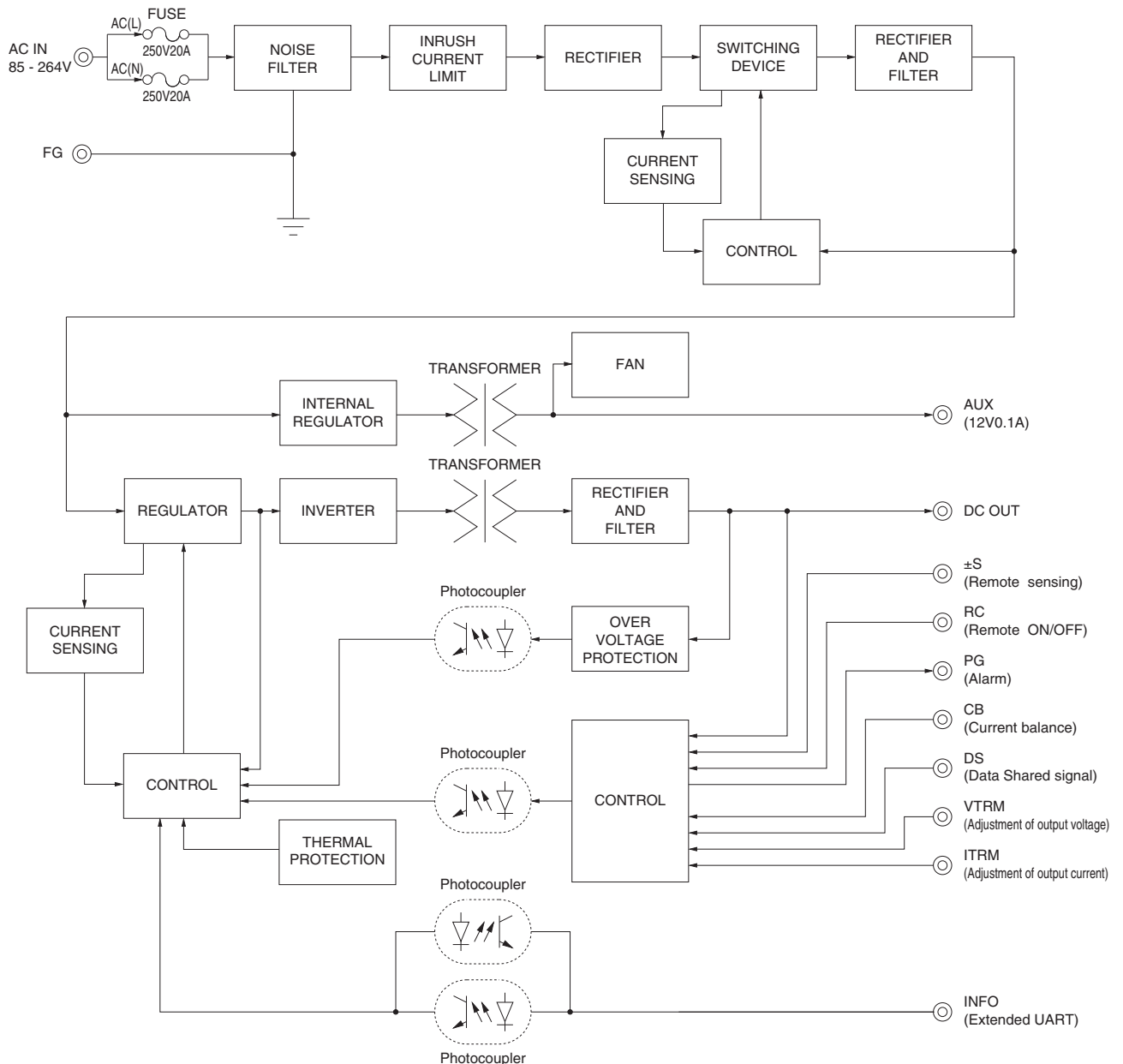
*6 The listed options may affect the published standard specifications. Please contact us for detailed product specifications and safety approvals.

* A sound may occur from power supply at pulse loading.

Features

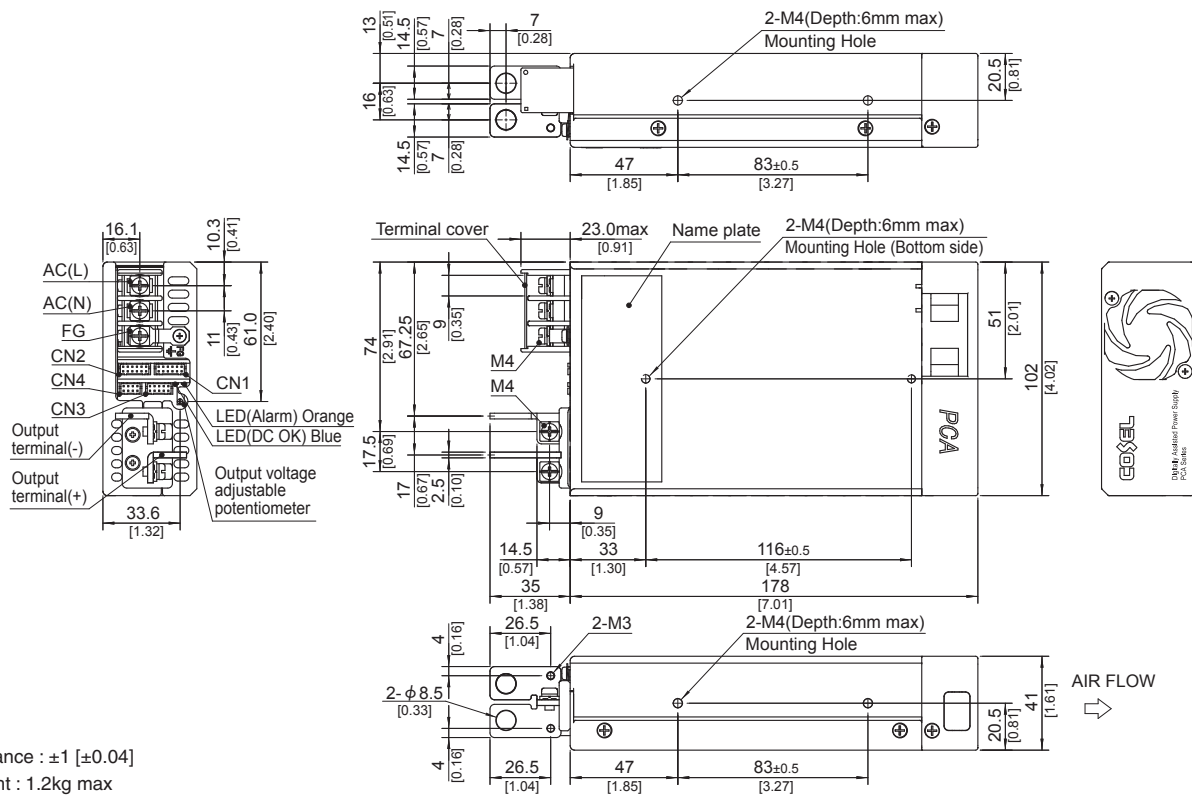
- Low profile (41mm, 1.61 inch = meet to 1U height)
- Universal input 85 - 264VAC (Refer to item 5.2, when using at 85 - 90VAC)
- For medical electric equipment (ANSI/AAMI ES60601-1, EN60601-1 3rd, IEC60601-1-2 4th Ed.)
- Medical Isolation Grade 2MOPP
- With AUX output 12V 0.1A (Voltage variable range 5 - 12V)
- Constant current regulation
- Output voltage can be varied to near 0V (Refer to item 3.6)
- With various alarms
- Parallel Operation / N+1 Parallel Redundancy Operation possible
- Monitoring function by communication and various setting values can be changed (Refer to item 3.11)

Block diagram



External view

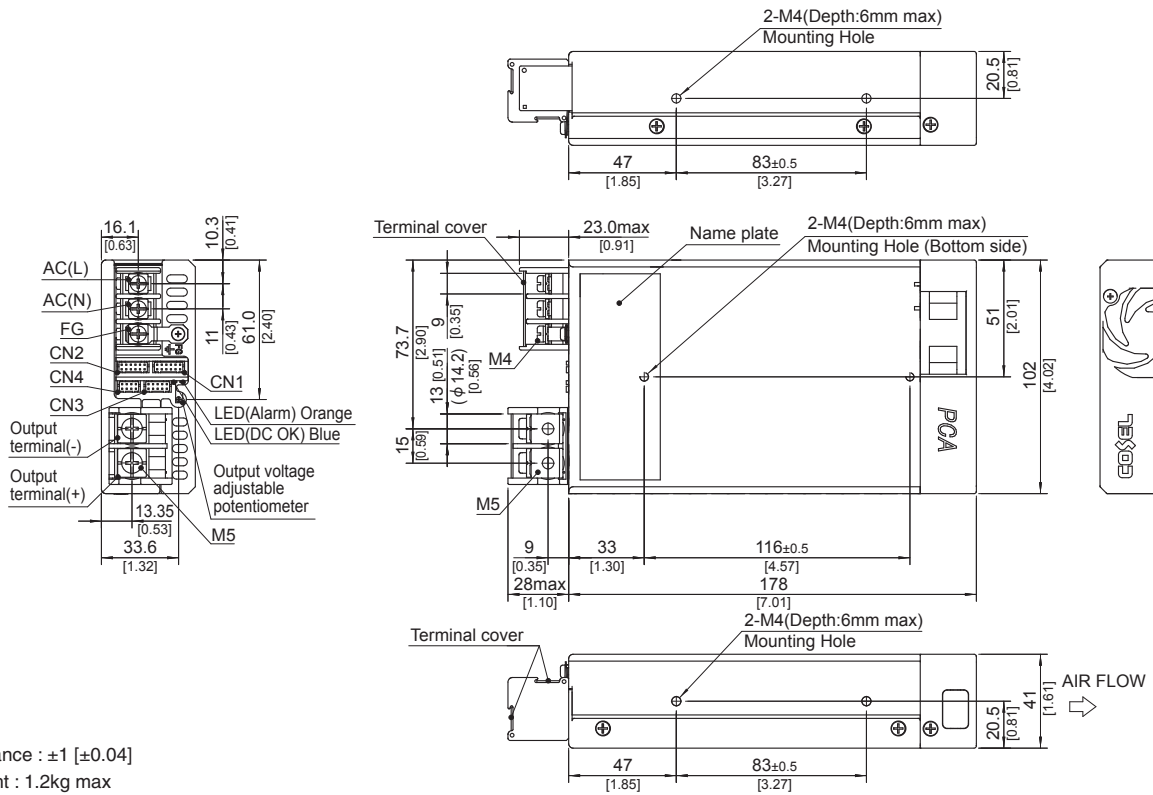
<PCA1000F-□ (Bus Bar Style) >



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 1.2kg max
- ※ PCB Material / thickness : FR-4 / 1.6mm [0.06]
- ※ Chassis Material : Aluminum
- ※ Fan cover Material : PBT
- ※ Dimensions in mm, [] = inches
- ※ Mounting torque : 1.2N·m max
- ※ Input and output terminal screw tightening torque
 - M3 0.6N·m max
 - M4 1.6N·m max
- ※ Please connect safety ground to FG terminal on the unit.

External view

<PCA1000F-□-T (Terminal Block Style) >



- ※ Tolerance : ± 1 [± 0.04]
- ※ Weight : 1.2kg max
- ※ PCB Material / thickness : FR-4 / 1.6mm [0.06]
- ※ Chassis Material : Aluminum
- ※ Fan cover Material : PBT
- ※ Dimensions in mm, [] = inches
- ※ Mounting torque : 1.2N · m max
- ※ Input and output terminal screw tightening torque
 - M4 1.6N · m max
 - M5 2.5N · m max
- ※ Please connect safety ground to FG terminal on the unit.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cosel:

[PCA600F-15-TP2](#) [PCA600F-5-P2](#) [PCA600F-12-TP2](#) [PCA600F-12-P2](#) [PCA600F-15-P2](#) [PCA600F-24-P2](#)
[PCA600F-24-TP2](#) [PCA600F-32-P2](#) [PCA600F-32-TP2](#) [PCA600F-48-TP2](#) [PCA600F-48-P2](#) [PCA600F-5-TP2](#)
[PCA600F-5](#) [PCA600F-24-T](#) [PCA600F-32](#) [PCA600F-24](#) [PCA600F-12-T](#) [PCA600F-32-T](#) [PCA600F-15](#) [PCA600F-15-](#)
[T](#) [PCA600F-48](#) [PCA600F-12](#) [PCA600F-48-T](#) [PCA1000F-24](#) [PCA1000F-32](#) [PCA1000F-5](#) [PCA1000F-48-T](#)
[PCA1000F-32-T](#) [PCA1000F-24-T](#) [PCA1000F-48](#) [PCA1000F-12](#) [PCA1000F-15](#) [PCA1000F-12-C](#) [PCA1000F-12-F2](#)
[PCA1000F-12-G](#) [PCA1000F-12-P3](#) [PCA300F-5](#) [PCA300F-5-T](#) [PCA300F-24](#) [PCA300F-24-T](#) [PCA300F-32](#)
[PCA300F-32-T](#) [PCA300F-48](#) [PCA300F-48-T](#) [PCA1000F-5-P3](#) [PCA1000F-5-W1](#) [PCA300F-12](#) [PCA300F-12-T](#)
[PCA300F-15](#) [PCA300F-15-T](#) [PCA1000F-48-G](#) [PCA1000F-48-P3](#) [PCA1000F-48-W1](#) [PCA1000F-5-C](#) [PCA1000F-5-](#)
[F2](#) [PCA1000F-5-G](#) [PCA1000F-32-F2](#) [PCA1000F-32-G](#) [PCA1000F-32-P3](#) [PCA1000F-32-W1](#) [PCA1000F-48-C](#)
[PCA1000F-48-F2](#) [PCA1000F-24-C](#) [PCA1000F-24-F2](#) [PCA1000F-24-G](#) [PCA1000F-24-P3](#) [PCA1000F-24-W1](#)
[PCA1000F-32-C](#) [PCA1000F-12-W1](#) [PCA1000F-15-C](#) [PCA1000F-15-F2](#) [PCA1000F-15-G](#) [PCA1000F-15-P3](#)
[PCA1000F-15-W1](#) [PCA300F-24-F2](#) [PCA300F-5-P3](#) [PCA300F-5-W1](#) [PCA300F-12-W1](#) [PCA300F-48-G](#) [PCA300F-32-](#)
[P3](#) [PCA300F-5-G](#) [PCA300F-48-P3](#) [PCA300F-15-W1](#) [PCA300F-12-G](#) [PCA300F-15-F2](#) [PCA300F-24-G](#) [PCA300F-](#)
[15-G](#) [PCA300F-48-F2](#) [PCA300F-12-F2](#) [PCA300F-32-G](#) [PCA300F-32-W1](#) [PCA300F-32-F2](#) [PCA300F-15-P3](#)
[PCA300F-5-F2](#) [PCA300F-24-W1](#) [PCA300F-24-P3](#) [PCA300F-12-P3](#) [PCA300F-48-W1](#) [PCA1000F-32-I](#) [PCA1000F-](#)
[48-I](#)



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.