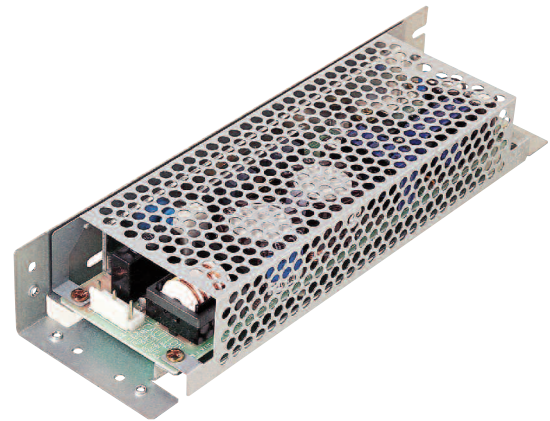


PBB2C Series

10-150 WATTS - AC/DC SINGLE OUTPUT

FEATURES

- Full range input voltage 85–264VAC
- Fully regulated output
- Short circuit overcurrent/overvoltage protection
- High quality
- OEM product
- UL, CSA and TÜV approvals
- C-Tick compliant



SPECIFICATIONS

INPUT	
Voltage	85–264VAC or 110–370VDC (PBB2C-D to L).110/240VAC autoranging (PBB2C-M to R).
Frequency	47Hz–440Hz.
Safety isolation	In/Out 3000VAC, 1 min, 10mA, 500VDC, 50M ohm min. In/Gnd 2000VAC, 1 min, 10mA, 500VDC, 50M ohm min. Out/Gnd 500VAC, 1 min, 100mA, 500VDC, 50M ohm min
Inrush current	30A typical at 200V AC.
OUTPUT	
Output voltage	See table.
Output current	See table.
Regulation	Line: 0.4% max. Load: 0.8% max.
Voltage adjustment	Main output $\pm 10\%$.
Ripple and noise p-p	See table.
Overvoltage protection	At 115%–140% of rated.
Overcurrent protection	At 105% of rated.
Temperature drift	1% typical. 0°C to 50°C.
Efficiency	See table.
Hold up time	10mS typical at 85VAC input
Rise time	200mS max.

ENVIRONMENTAL	
Operating temperature	-10°C to 60°C.
Derating	50°C to 60°C Forced Air. 50°C to 70°C Forced Air.
Cooling	Convection.
Vibration	10Hz–55Hz, 2G, 3 mins period for 60 minutes each along X, Y and Z axis.
Impact	20G, 11mS, once each along X, Y and Z axis.
STANDARDS	
Safety standards	UL60950-1, EN60950-1, CSA C22.2 No.234, EN50178, IEC60950-1
C-tick	AS/NZS CISPR11 Group 1 Class A.
EMI standards	FCC-B, CISPR22-B, EN55022-B, VCCI-B
MECHANICAL	
Case size	PBB2C-D-SNY 57x32x125mm PBB2C-F-SNY 57x32x145mm PBB2C-H-SNY 65x36x163mm PBB2C-J-SNY 65x36x225mm PBB2C-L-SNY 65x42x252mm PBB2C-M-SNY 72x45x252mm PBB2C-R-SNY 85x47x252mm
Cable harness	Input/output harness supplied with PSU

OPEN FRAME & ENCLOSED

PBB2C Series

10-150 WATTS - AC/DC SINGLE OUTPUT

OPEN FRAME & ENCLOSED

SELECTION TABLE

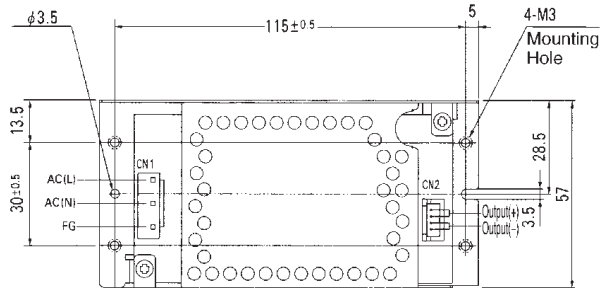
MODEL NUMBER	OUTPUT		RIPPLE & NOISE	EFFICIENCY	POWER
PBB2C-3D-SNY	3V	2A	120mVp-p	68%	10W
PBB2C-5D-SNY	5V	2A	120mVp-p	72%	10W
PBB2C-12D-SNY	12V	0.9A	150mVp-p	74%	10W
PBB2C-15D-SNY	15V	0.7A	150mVp-p	74%	10W
PBB2C-24D-SNY	24V	0.5A	150mVp-p	78%	10W
PBB2C-3F-SNY	3V	3A	120mVp-p	70%	15W
PBB2C-5F-SNY	5V	3A	120mVp-p	74%	15W
PBB2C-12F-SNY	12V	1.3A	150mVp-p	76%	15W
PBB2C-15F-SNY	15V	1A	150mVp-p	76%	15W
PBB2C-24F-SNY	24V	0.7A	150mVp-p	78%	15W
PBB2C-3H-SNY	3V	6A	120mVp-p	70%	30W
PBB2C-5H-SNY	5V	6A	120mVp-p	75%	30W
PBB2C-12H-SNY	12V	2.5A	150mVp-p	77%	30W
PBB2C-15H-SNY	15V	2A	150mVp-p	78%	30W
PBB2C-24H-SNY	24V	1.3A	150mVp-p	79%	30W
PBB2C-3J-SNY	3V	10A	120mVp-p	73%	50W
PBB2C-5J-SNY	5V	10A	120mVp-p	77%	50W
PBB2C-9J-SNY	9V	5.6A	150mVp-p	78%	50W
PBB2C-12J-SNY	12V	4.3A	150mVp-p	80%	50W
PBB2C-15J-SNY	15V	3.5A	150mVp-p	81%	50W
PBB2X-18J-SNY	18V	2.8A	150mVp-p	81%	50W
PBB2C-24J-SNY	24V	2.1A	150mVp-p	82%	50W
PBB2C-30J-SNY	30V	1.66A	150mVp-p	82%	50W
PBB2C-3L-SNY	3V	15A	120mVp-p	73%	75W
PBB2C-5L-SNY	5V	15A	120mVp-p	79%	75W
PBB2C-9L-SNY	9V	8.5A	150mVp-p	79%	75W
PBB2C-12L-SNY	12V	6.3A	150mVp-p	80%	75W
PBB2C-15L-SNY	15V	5A	150mVp-p	81%	75W
PBB2X-18L-SNY	18V	4.2A	150mVp-p	81%	75W
PBB2C-24L-SNY	24V	3.2A	150mVp-p	82%	75W
PBB2C-30L-SNY	30V	2.5A	150mVp-p	82%	75W
PBB2C-3M-SNY	3V	20A	120mVp-p	75%	100W
PBB2C-5M-SNY	5V	20A	120mVp-p	79%	100W
PBB2C-9M-SNY	9V	11.5A	150mVp-p	80%	100W
PBB2C-12M-SNY	12V	8.5A	150mVp-p	81%	100W
PBB2C-15M-SNY	15V	6.7A	150mVp-p	82%	100W
PBB2X-18M-SNY	18V	5.6A	150mVp-p	82%	100W
PBB2C-24M-SNY	24V	4.3A	150mVp-p	83%	100W
PBB2C-30M-SNY	30V	3.5A	150mVp-p	83%	100W
PBB2C-48M-SNY	48V	2.0A	400mVp-p	82%	100W
PBB2C-3R-SNY	3V	30A	120mVp-p	75%	150W
PBB2C-5R-SNY	5V	30A	120mVp-p	79%	150W
PBB2C-9R-SNY	9V	17A	150mVp-p	79%	150W
PBB2C-12R-SNY	12V	12.5A	150mVp-p	82%	150W
PBB2C-15R-SNY	15V	10A	150mVp-p	83%	150W
PBB2X-18R-SNY	18V	8.5A	150mVp-p	84%	150W
PBB2C-24R-SNY	24V	6.3A	150mVp-p	85%	150W
PBB2C-30R-SNY	30V	5A	150mVp-p	85%	150W
PBB2C-48R-SNY	48V	3A	400mVp-p	82%	150W

PBB2C Series

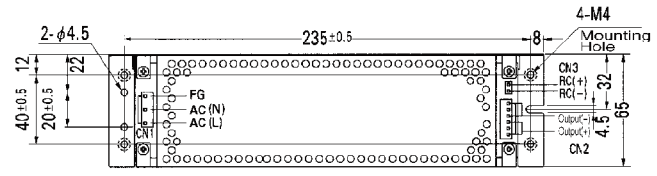
10-150 WATTS - AC/DC SINGLE OUTPUT

Technical Illustrations

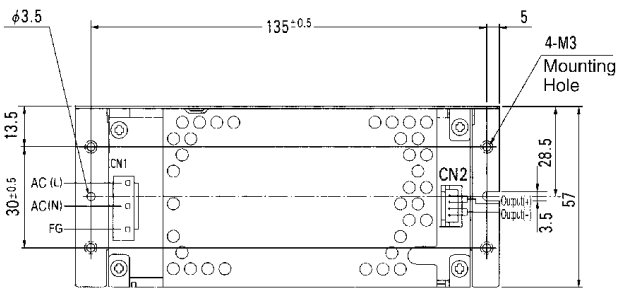
PBB2C-D



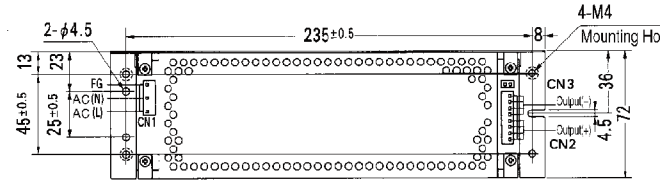
PBB2C-L



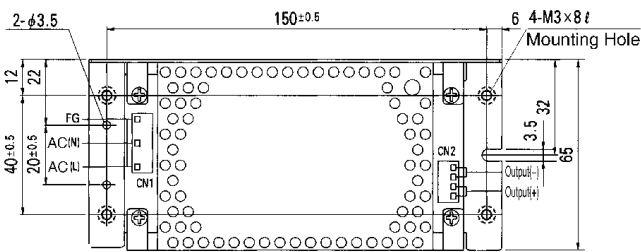
PBB2C-F



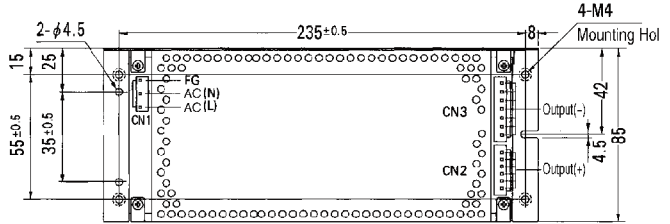
PBB2C-M



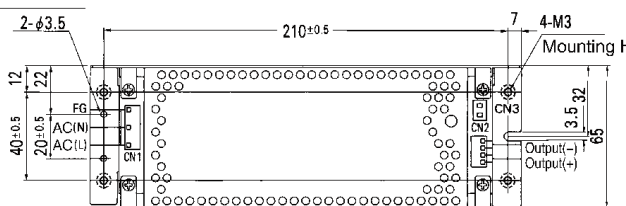
PBB2C-H



PBB2C-R



PBB2C-J



OPEN FRAME & ENCLOSED

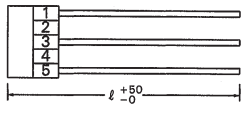
PBB Series

OPEN FRAME & ENCLOSED

PBB2C/PBB2C-T/PBB7C/PBB11C/PBB13C INPUT AND OUTPUT CABLE HARNESS FOR MOLEX TERMINALS

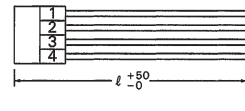
MATING CABLE HARNESS

H-IN-10



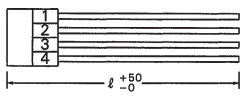
Pin #	Wire	AWG	Color	Length (mm)
1	UL1015	18	brown	500
2				
3	UL1015	18	blue	500
4				
5	UL1015	18	green	500

H-OU-8



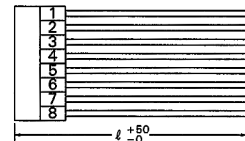
Pin #	Wire	AWG	Color	Length (mm)
1	UL1007	22	black	500
2	UL1007	22	black	500
3	UL1007	22	red	500
4	UL1007	22	red	500

H-OU-9



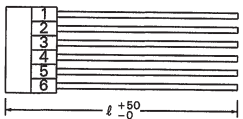
Pin #	Wire	AWG	Color	Length (mm)
1	UL1015	18	black	500
2	UL1015	18	black	500
3	UL1015	18	red	500
4	UL1015	18	red	500

H-OU-10



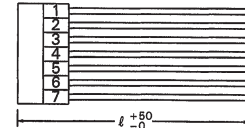
Pin #	Wire	AWG	Color	Length (mm)
1	UL1015	18	black	500
2	UL1015	18	red	500

H-OU-11



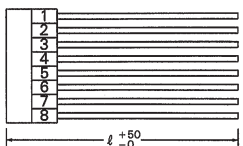
Pin #	Wire	AWG	Color	Length (mm)
1	UL1015	18	red	500

H-OU-12



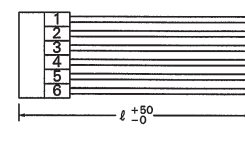
Pin #	Wire	AWG	Color	Length (mm)
1	UL1015	18	black	500

H-OU-13



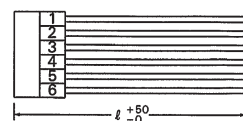
Pin #	Wire	AWG	Color	Length (mm)
1, 2	UL1007	22	red	500
3, 4	UL1007	22	black	500
5	UL1007	22	orange	500
6, 7	UL1007	22	gray	500
8	UL1007	22	purple	500

H-OU-14



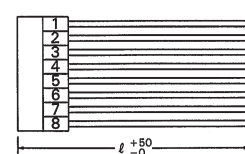
Pin #	Wire	AWG	Color	Length (mm)
1	UL1015	18	purple	500
2, 3	UL1015	18	gray	500
4	UL1015	18	orange	500
5	UL1015	18	black	500
6	UL1015	18	red	500

H-OU-18



Pin #	Wire	AWG	Color	Length (mm)
1	UL1015	18	black	500
2	UL1015	18	red	500

H-OU-19



Pin #	Wire	AWG	Color	Length (mm)
1	UL1015	18	purple	500
2, 3	UL1015	18	gray	500
4	UL1015	18	orange	500
5, 6	UL1015	18	black	500
7, 8	UL1015	18	red	500