

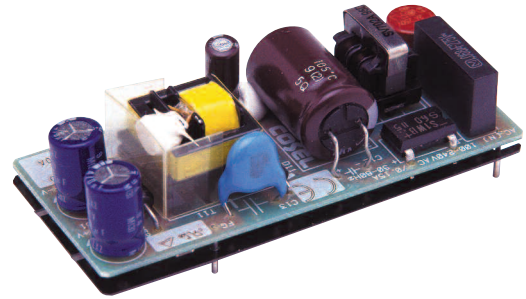
PBBO Series

5-10 WATTS - AC/DC SINGLE OUTPUT

OPEN FRAME & ENCLOSED

FEATURES

- Small foot print
- Low height
- High efficiency
- High power density
- High MTBF
- Cost effective
- Built-in inrush current and overcurrent protection



SPECIFICATIONS

INPUT	
Nominal voltage	85-264VAC / 110-370VDC
Frequency	47-63Hz
Input current	0.15A to 0.3A
Leakage current	0.5A max at nominal load and input voltage.
Inrush current	15A Typ (100VAC), 30A Typ (200VAC)
Isolation	I/P to O/P 3,000VAC I/P to FG 2,000VAC O/P to FG 500VAC

OUTPUT	
Voltage	See table.
Line regulation	±0.4% - ±0.6%.
Load regulation	±0.6% - ±1.2%.
Voltage adjustment	No.
Current adjustment	No.
Ripple and noise	1% - 2% max p-p. (0 to +55°C).
Overcurrent protection	Works over 125% of rating and recovers automatically.
Overvoltage protection	Works over 115% of rating (By zener diode clamping)

ENVIRONMENTAL	
Operating temperature	-10 to +71°C convection, derate from 55°C
Storage temperature	-20 to +75°C.
Operating humidity	20-90%, RH non condensing.
Storage humidity	20-90%, RH non condensing.
Operating altitude	3,000m (10,000feet) max.
Storage altitude	9,000m (30,000feet) max.
Cooling	Convection.
Vibration	19.6m/s ² 10-55Hz, 3 minutes period, 60 mins each along X,Y and Z axis (Non operating)
Impact	196.1m/s ² 11ms, once each X,Y and Z axis (Non operating)
Efficiency	65% - 81%
Switching frequency	60kHz to 200kHz
MTBF	1,760,000 hours (PBBO-C). 1,610,000 hours (PBBO-D)
Weight	30g (PBBO-C), 40g (PBBO-D)

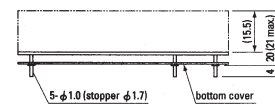
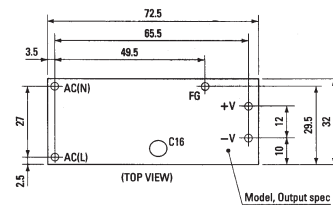
STANDARDS	
Safety standards	UL1950. C-UL, EN60950, VDE0160 Complies with DEN-AN and IEC60950.
C tick	AS/NZS CISPR11 Group 1 Class A.
EMI standards	Complies with FCC-B and VCCI-A.

SELECTION TABLE

MODEL NUMBER	OUTPUT		POWER
PBBO-3C	3.3V	1A	5W
PBBO-5C	5V	1A	5W
PBBO-12C	12V	0.45A	5W
PBBO-15C	15V	0.33A	5W
PBBO-24C	24V	0.22A	5W
PBBO-3D	3.3V	2A	10W
PBBO-5D	5V	2A	10W
PBBO-12D	12V	0.9A	10W
PBBO-15D	15V	0.70A	10W
PBBO-24D	24V	0.45A	10W

TECHNICAL ILLUSTRATIONS

PBBO-C



PBBO-D

