

PBI2H Series

15-25 WATTS DC/DC SINGLE

Features

- Low profile
- Overcurrent protection
- Overvoltage protection
- Output voltage adjustable
- Smaller sized



Specifications

INPUT

Input voltage 9.2–16V, 19–32V, 38–63V, 85–140V

OUTPUT

Output voltage See table

Voltage adjustment $\pm 10\%$

Output current See table

Ripple & noise (Output V x 1%) +100mV pk-pk

Line regulation 0.9% over input range

Load regulation 0.8% (0%–100%)

Temperature coefficient 0.03% per °C

Drift (Output V x 0.5% +15mV) per 8 hrs

Overcurrent protection Current limit

Overvoltage protection Output shutdown

Rise time 500ms for PBI2H 110V inputs
100ms others

Holdup time 10ms typical

OPERATING

Efficiency 78%–89%

Isolation Input – Output: 2000VAC
Input – Case: 2000VAC
Output – Case: 500VAC

Insulation resistance Input – Output – Case: 50M

ENVIRONMENTAL

Operating temperature 0°C to 50°C

Storage temperature -20°C to 85°C

Cooling Convection cooled

Humidity 85%

Vibration 5Hz–10Hz 10mm, 10Hz–55Hz 2G

Shock 30G

STANDARDS AND APPROVALS

Safety Designed to UL1950

C-tick AS/NZS CISPR11 Group 1, Class A

Selection Table

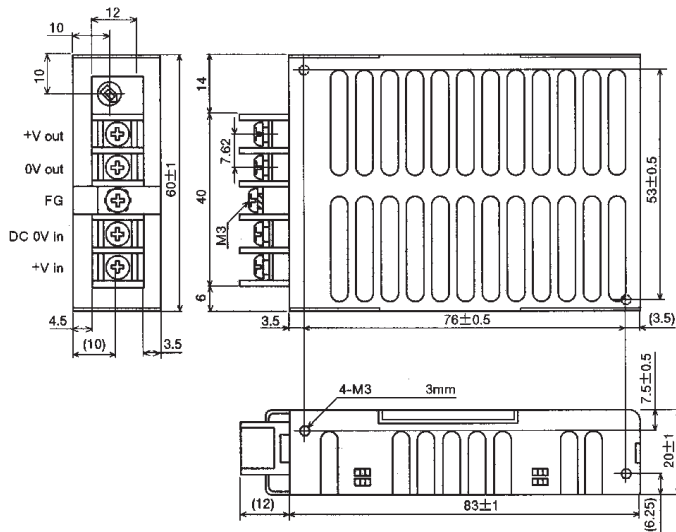
MODEL NUMBER	INPUT	OUTPUT	OUTPUT POWER	MODEL NUMBER	INPUT	OUTPUT	OUTPUT POWER	MODEL NUMBER	INPUT	OUTPUT	OUTPUT POWER
PBI2H-1205F	9.2-16V	5V 3A	15W	PBI2H-1205G	9.2-16V	5V 5A	25W	PBI2H-1205J	9.2-16V	5V 8A	50W
PBI2H-1212F	9.2-16V	12V 1.3A	15W	PBI2H-1212G	9.2-16V	12V 2.1A	25W	PBI2H-1212J	9.2-16V	12V 3.3A	50W
PBI2H-1215F	9.2-16V	15V 1A	15W	PBI2H-1215G	9.2-16V	15V 1.7A	25W	PBI2H-1215J	9.2-16V	15V 2.7A	50W
PBI2H-1224F	9.2-16V	24V 0.7A	15W	PBI2H-1224G	9.2-16V	24V 1.1A	25W	PBI2H-1224J	9.2-16V	24V 1.7A	50W
PBI2H-1248F	9.2-16V	48V 0.35A	15W	PBI2H-1248G	9.2-16V	48V 0.5A	25W	PBI2H-1248J	9.2-16V	48V 0.8A	50W
PBI2H-2405F	19-32V	5V 3A	15W	PBI2H-2405G	19-32V	5V 5A	25W	PBI2H-2405J	19-32V	5V 10A	50W
PBI2H-2412F	19-32V	12V 1.3A	15W	PBI2H-2412G	19-32V	12V 2.1A	25W	PBI2H-2412J	19-32V	12V 4.3A	50W
PBI2H-2415F	19-32V	15V 1A	15W	PBI2H-2415G	19-32V	15V 1.7A	25W	PBI2H-2415J	19-32V	15V 3.4A	50W
PBI2H-2424F	19-32V	24V 0.7A	15W	PBI2H-2424G	19-32V	24V 1.1A	25W	PBI2H-2424J	19-32V	24V 2.5A	50W
PBI2H-2448F	19-32V	48V 0.35A	15W	PBI2H-2448G	19-32V	48V 0.5A	25W	PBI2H-2448J	19-32V	48V 1.1A	50W
PBI2H-4805F	38-63V	5V 3A	15W	PBI2H-4805G	38-63V	5V 5A	25W	PBI2H-4805J	38-63V	5V 10A	50W
PBI2H-4812F	38-63V	12V 1.3A	15W	PBI2H-4812G	38-63V	12V 2.1A	25W	PBI2H-4812J	38-63V	12V 4.3A	50W
PBI2H-4815F	38-63V	15V 1A	15W	PBI2H-4815G	38-63V	15V 1.7A	25W	PBI2H-4815J	38-63V	15V 3.4A	50W
PBI2H-4824F	38-63V	24V 0.7A	15W	PBI2H-4824G	38-63V	24V 1.1A	25W	PBI2H-4824J	38-63V	24V 2.5A	50W
PBI2H-4848F	38-63V	48V 0.35A	15W	PBI2H-4848G	38-63V	48V 0.5A	25W	PBI2H-4848J	38-63V	48V 1.1A	50W
PBI2H-11005F	85-140V	5V 3A	15W	PBI2H-11005G	85-140V	5V 5A	25W	PBI2H-11005J	85-140V	5V 10A	50W
PBI2H-11012F	85-140V	12V 1.3A	15W	PBI2H-11012G	85-140V	12V 2.1A	25W	PBI2H-11012J	85-140V	12V 4.3A	50W
PBI2H-11015F	85-140V	15V 1A	15W	PBI2H-11015G	85-140V	15V 1.7A	25W	PBI2H-11015J	85-140V	15V 3.4A	50W
PBI2H-11024F	85-140V	24V 0.7A	15W	PBI2H-11024G	85-140V	24V 1.1A	25W	PBI2H-11024J	85-140V	24V 2.5A	50W
PBI2H-11048F	85-140V	48V 0.35A	15W	PBI2H-11048G	85-140V	48V 0.5A	25W	PBI2H-11048J	85-140V	48V 1.1A	50W

PBI2H Series

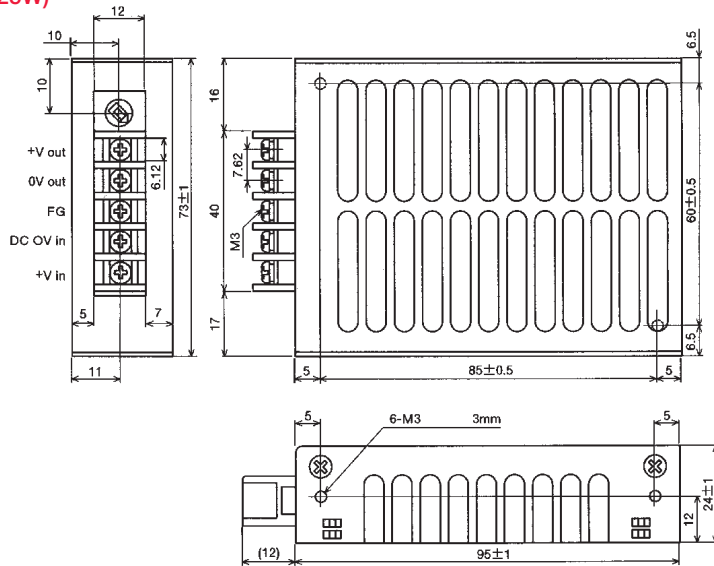
15-150 WATTS SINGLE OUTPUT

Technical Illustrations

PBI2H-F (15W)



PBI2H-G (25W)



PBI2H-J (50W)

