PBI2H Series

15-50 WATTS DC/DC SINGLE OUTPUT

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	±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: 50Mž
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
PBI2H-1205F	9.2-16V	5V	3A	15W
PBI2H-1212F	9.2-16V	12V	1.3A	15W
PBI2H-1215F	9.2-16V	15V	1A	15W
PBI2H-1224F	9.2-16V	24V	0.7A	15W
PBI2H-1248F	9.2-16V	48V	0.35A	15W
PBI2H-2405F	19-32V	5V	3A	15W
PBI2H-2412F	19-32V	12V	1.3A	15W
PBI2H-2415F	19-32V	15V	1A	15W
PBI2H-2424F	19-32V	24V	0.7A	15W
PBI2H-2448F	19-32V	48V	0.35A	15W
PBI2H-4805F	38-63V	5V	3A	15W
PBI2H-4812F	38-63V	12V	1.3A	15W
PBI2H-4815F	38-63V	15V	1A	15W
PBI2H-4824F	38-63V	24V	0.7A	15W
PBI2H-4848F	38-63V	48V	0.35A	15W
PBI2H-11005F	85-140V	5V	3A	15W
PBI2H-11012F	85-140V	12V	1.3A	15W
PBI2H-11015F	85-140V	15V	1A	15W
PBI2H-11024F	85-140V	24V	0.7A	15W
PBI2H-11048F	85-140V	48V	0.35A	15W

MODEL NUMBER	INPUT	OUTPUT		OUTPUT POWER
PBI2H-1205G	9.2-16V	5V	5A	25W
PBI2H-1212G	9.2-16V	12V	2.1A	25W
PBI2H-1215G	9.2-16V	15V	1.7A	25W
PBI2H-1224G	9.2-16V	24V	1.1A	25W
PBI2H-1248G	9.2-16V	48V	0.5A	25W
PBI2H-2405G	19-32V	5V	5A	25W
PBI2H-2412G	19-32V	12V	2.1A	25W
PBI2H-2415G	19-32V	15V	1.7A	25W
PBI2H-2424G	19-32V	24V	1.1A	25W
PBI2H-2448G	19-32V	48V	0.5A	25W
PBI2H-4805G	38-63V	5V	5A	25W
PBI2H-4812G	38-63V	12V	2.1A	25W
PBI2H-4815G	38-63V	15V	1.7A	25W
PBI2H-4824G	38-63V	24V	1.1A	25W
PBI2H-4848G	38-63V	48V	0.5A	25W
PBI2H-11005G	85-140V	5V	5A	25W
PBI2H-11012G	85-140V	12V	2.1A	25W
PBI2H-11015G	85-140V	15V	1.7A	25W
PBI2H-11024G	85-140V	24V	1.1A	25W
PBI2H-11048G	85-140V	48V	0.5A	25W

MODEL NUMBER	INPUT	OUTPUT		OUTPUT POWER
PBI2H-1205J	9.2-16V	5V	8A	40W
PBI2H-1212J	9.2-16V	12V	3.3A	40W
PBI2H-1215J	9.2-16V	15V	2.7A	40W
PBI2H-1224J	9.2-16V	24V	1.7A	40W
PBI2H-1248J	9.2-16V	48V	0.8A	40W
PBI2H-2405J	19-32V	5V	10A	50W
PBI2H-2412J	19-32V	12V	4.3A	50W
PBI2H-2415J	19-32V	15V	3.4A	50W
PBI2H-2424J	19-32V	24V	2.5A	50W
PBI2H-2448J	19-32V	48V	1.1A	50W
PBI2H-4805J	38-63V	5V	10A	50W
PBI2H-4812J	38-63V	12V	4.3A	50W
PBI2H-4815J	38-63V	15V	3.4A	50W
PBI2H-4824J	38-63V	24V	2.5A	50W
PBI2H-4848J	38-63V	48V	1.1A	50W
PBI2H-11005J	85-140V	5V	10A	50W
PBI2H-11012J	85-140V	12V	4.3A	50W
PBI2H-11015J	85-140V	15V	3.4A	50W
PBI2H-11024J	85-140V	24V	2.5A	50W
PBI2H-11048J	85-140V	48V	1.1A	50W

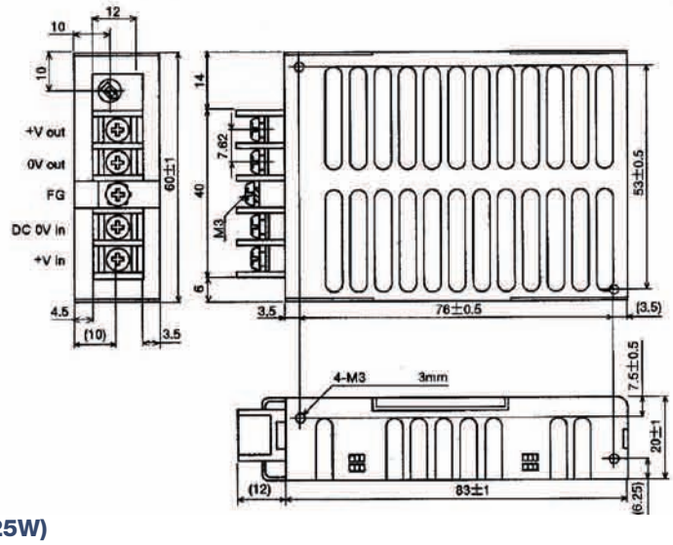
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PBI2H Series

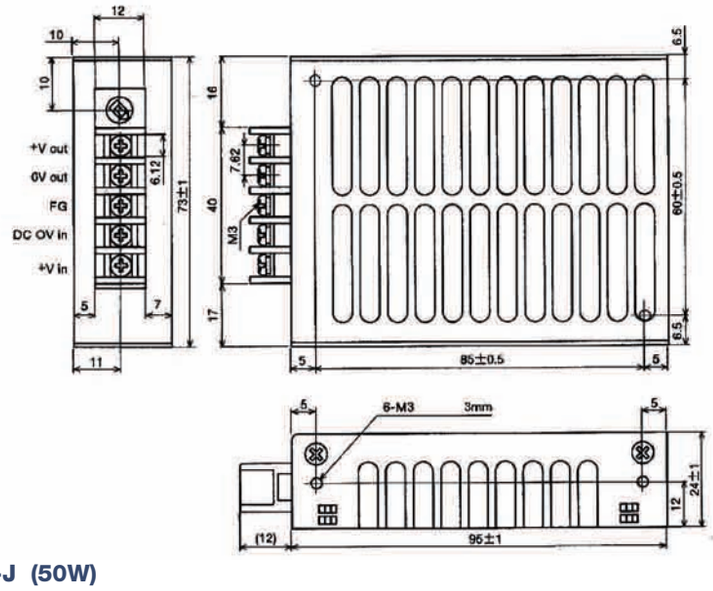
15-50 WATTS SINGLE OUTPUT

TECHNICAL ILLUSTRATIONS

PBI2H-F (15W)



PBI2H-G (25W)



PBI2H-J (50W)

