



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## 20A, 48VDC pcb mount EMI Filter

### Features

- ◆ Compact Size
- ◆ PCB Mount
- ◆ Conforms to UL1950, CSA950, EN60950
- ◆ Suitable for use with Lambda's PAF Series

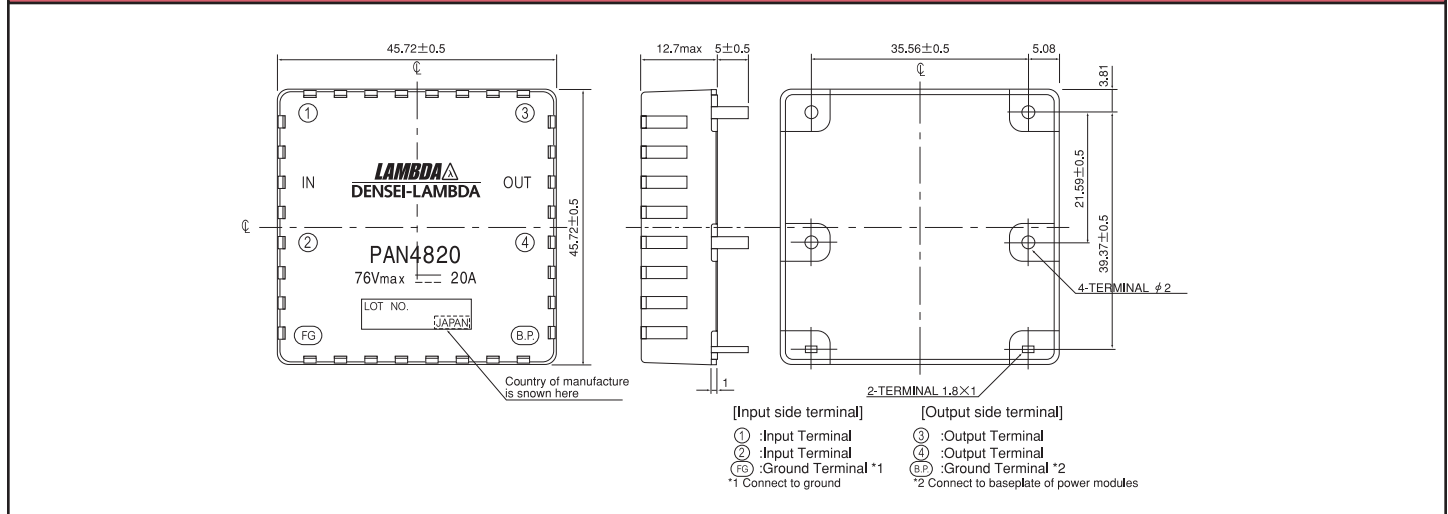


Specifications		
Model	PAN4820	
Rated Voltage	VDC	76VDC Max
Rated Current	A	20A
Test Voltage (For 1 min.)	V	Terminals to Case: 150VDC; Between terminals: 100VDC
Isolation Resistance	MΩ	100MΩ minimum (terminals to case, 500VDC)
Leakage Current	mA	Not Applicable
DC Resistance	mΩ	6
Operating Temperature	°C	-40 to +100 (see derating curve)
Storage Temperature	°C	-40 to +100
Operating Humidity	-	30 to 95% RH (non condensing)
Storage Humidity	-	10 to 95% RH (non condensing)
Vibration	-	10-55Hz sweep for 1 minute Amplitude 0.825mm (max 49m/s <sup>2</sup> , X, Y, Z (1 hour each))
Safety Standards	-	Conforms to UL60950, CSA60950, EN60950
Weight (Typ)	g	45
Warranty	-	1 Year

#### Notes:

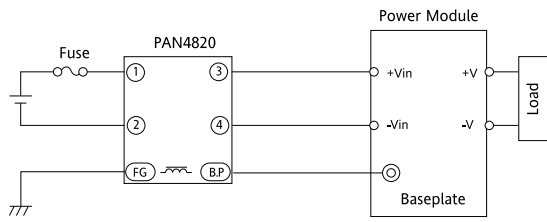
(1) Value at Ta ≤35°C. Refer to the derating curve at Ta > 35°C.

## Outline Drawing

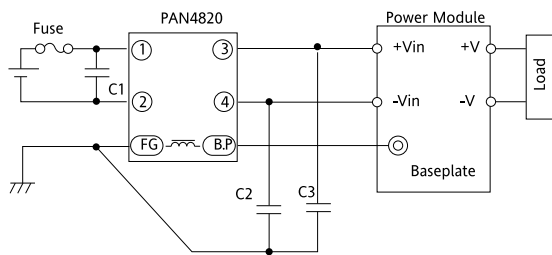


## Circuit Connection 1

◆ Conform to EN55011/55022, VCCI Class A

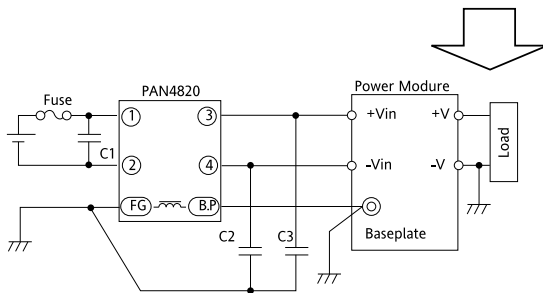
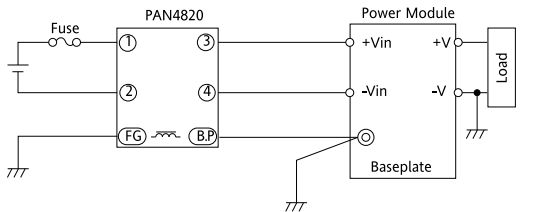


◆ Conform to EN55011/55022, VCCI Class B



Recommended Values C1: 22  $\mu$ F (Ceramic Capacitor)  
C2,3: 0.47  $\mu$ F (Film or Ceramic Capacitor)

## Circuit Connection 2

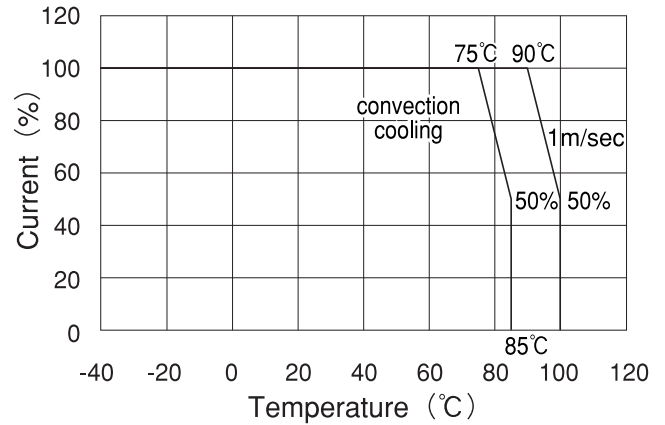


Recommended Values C1: 22  $\mu$ F (Ceramic Capacitor)  
C2,3: 0.47  $\mu$ F (Film or Ceramic Capacitor)

For Additional Information, please visit  
[us.tdk-lambda.com/lp/products/pan-series.htm](http://us.tdk-lambda.com/lp/products/pan-series.htm)

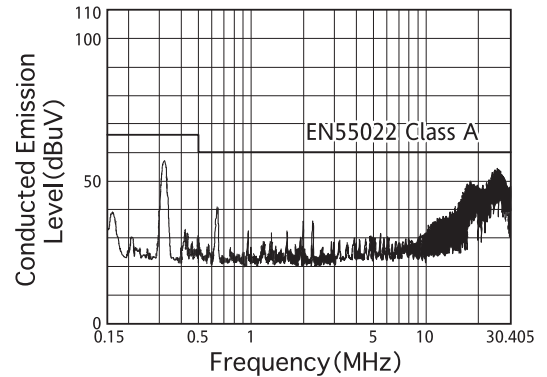


## Derating



## Attenuation

● CLASS-A Application  
PAN4820 + PAF500F



● CLASS-B Application  
PAN4820 + adding external components  
(Capacitor: Net 3) + PAF500F

