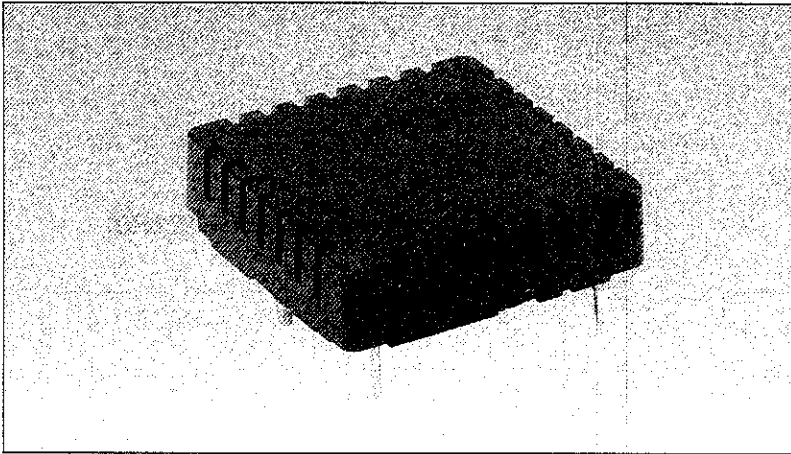


# PAN-SERIES

On-board type DC Noise Filter for Telecom



## Features

- (1) Compact and High current density On-board type:  
Rated current 20A with DC48V input line.
- (2) Suitable size for the PCB-mounting:  
46(W) x 12.7(H) x 46(D)mm.
- (3) Matches best for use in conjunction with  
Densei-Lambda's power modules for telecommunication  
equipment: Meets EMI-standardized requirements with PAF  
and/or PAH series used together.
- (4) Patent and design registration pending.

## Safety standard

Conforms to UL1950, CSA950 and EN60950

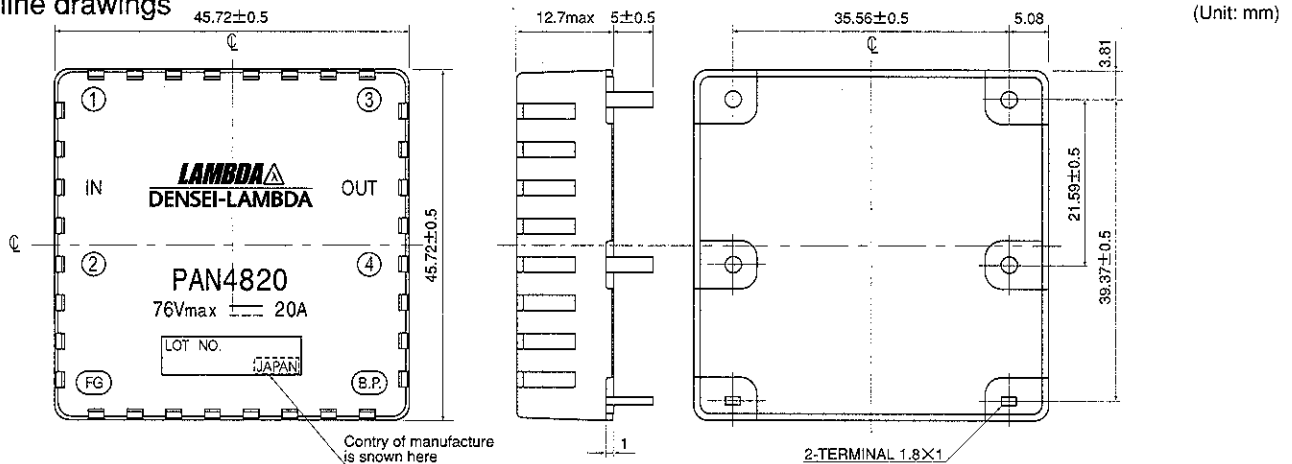
## Specifications

Item	Model	PAN4820
1. Rated voltage (DC)		DC76V
2. Rated current (DC) *		20A
3. Test voltage		Terminal - FG: DC1500V, 1min. Terminal - Terminal: DC100V, 1min.
4. Isolation resistance		Terminal - Case: DC500V, 100Mohm
5. Cooling		Convection cooling or forced air cooling
6. Operating Temperature		-40 ~ +85°C (Convection Cooling) -40 ~ +100°C (1m/s <sup>2</sup> Forced Air Cooling)
7. Operating Humidity		30 ~ 95% RH (No Dewdrop)
8. Storage Temperature		-40 ~ +100°C
9. Storage Humidity		10 ~ 95% RH (No Dewdrop)
10. Vibration		10 ~ 55Hz Sweep for 1 min Amplitude 0.825mm(max 49.0m/s <sup>2</sup> ), X,Y,Z, 1 Hour each
11. Weight (typ.)		45g

**NOTE**

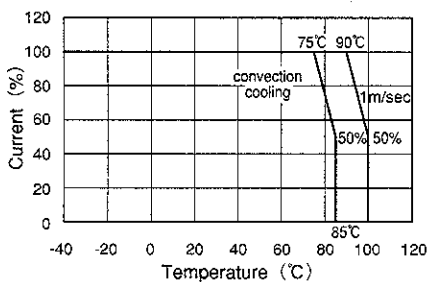
\* Convection cooling Tas75°C Forced air cooling (1m/sec), Tas90°C  
Refer to derating curve on the right

## Outline drawings



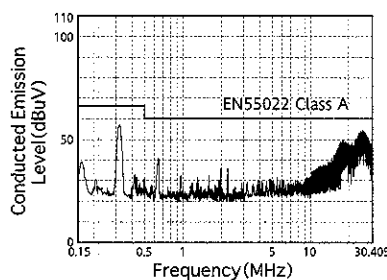
- [Input side terminal] [Output side terminal]
- ① :Input Terminal
  - ② :Input Terminal
  - FG :Ground Terminal \*1
  - ③ :Output Terminal
  - ④ :Output Terminal
  - B.P. :Ground Terminal \*2
- \*1 Connect to ground \*2 Connect to baseplate of power modules

## Derating



## Attenuation characteristics

● CLASS-A Application  
PAN4820+PAF500F



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

