48V Constant Voltage LED Strip Protective Filter

Features

- Dedicated filter for 12-48V constant voltage controller.
- Used to suppress reverse voltage caused by parasitic inductance in LED strip, protecting LED beads from breakdown damage and extending the service life of LED strip.
- 2KHz ~ 8KHz PWM dimming controller supported.
- It is particularly suitable for the protection of 48V constant voltage LED strip.
- It is recommended that the maximum load current of the LED strip does not exceed 8A to avoid affecting the filtering effect.

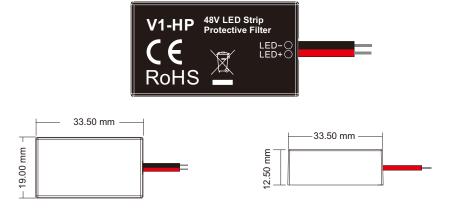


Technical Parameters

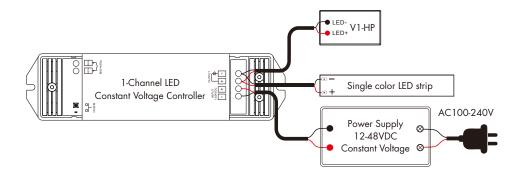
Electrical Parameters		
Work voltage	12-48VDC	
Environment		
Operation temperature	Ta: -20°C ~ +55°C	
IP rating	IP20	
Package		
Size	L 50 x W 50 x H32mm	
Gross weight	0.014kg	

Safety and EMC		
EMC standard	EN IEC 55015/ EN IEC 61547-1/-2 ETSI EN 301 489-1/-17	
Safety standard	EN 61347-1/-2 EN 62493	
Certification	CE RoHS	
Warranty		
Warranty	5 years	

Mechanical Structures and Installations



Wiring Diagram



Note

The V1-HP single channel filter is only compatible with monochrome LED strips.

For connecting color temperature/RGB/RGBW LED strips, be sure to use the V4-HP multi channel filter.

Safety & Warnings

- 1. The product should be installed and maintained by a professional.
- 2. Good heat dissipation can extend the service life of the controller. Please ensure good ventilation.
- 3. Please check whether the output voltage of the power supply used meets the operating voltage of the product.
- 4. Before powering on, ensure that all wire connections and polarity are correct and secure to avoid damaging the product and LED lights.
- 5. In case of malfunction, please return the product to the supplier. Do not attempt to repair this product yourself.