

SOLID STATE RELAY



- INPUT** ($T_A = 25^\circ\text{C}$)

DESCRIPTION

APPLICATIONS

- ### OUTPUT (TA = 25°C)

1. Soldering must be completed within 10 seconds at 260°C or less or within 5 seconds at 350°C or less.
2. The SSR case serves to dissipate heat. Install the relays so that they are adequately ventilated. If poor ventilation is unavoidable, reduce the load current by half.
3. When using the HFS40 series for a DC load with a peak voltage of more than rated voltage, connect the load terminals of the relay to an inrush absorber (varistor).
4. Before connecting a load that generates a high surge current, such as a lamp load to the SSR, make sure that the SSR can withstand the surge current of the load.
5. The product data sheet shows the non-repetitive peak value of the surge current that flows through the SSR. Normally, use 1/2 the non-repetitive peak surge current as the standard value.

GENERAL (TA = 25°C)



2007 Rev. 1.00

ORDERING INFORMATION

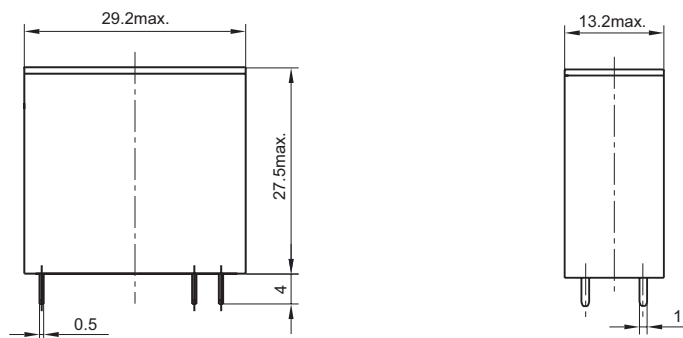
Type	HFS40 / 05 D- 50 D 2 T- L (XXX)						
Input voltage	05: 4 to 6V 12: 9.6 to 14.4V 24: 19.2 to 28.8V						
Input voltage form	D: DC						
Load voltage	50: 50V 100: 100V						
Load voltage form	D: DC						
Load current	2: 2A						
Output component	T: Transistor output						
LED indicator	L: With LED						
Customer special code	Only for special requirements, e.g. (555) stands for RoHS compliant						

Notes: HFS40 is an environmental friendly product, please mark special code (555) when order.

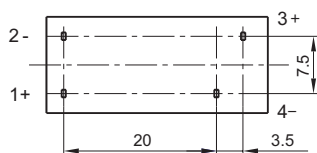
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

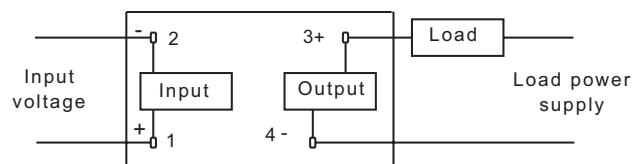
Outline Dimensions



PCB Layout (Bottom view)

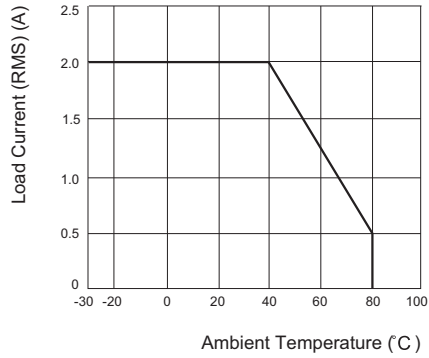


Wiring Diagram

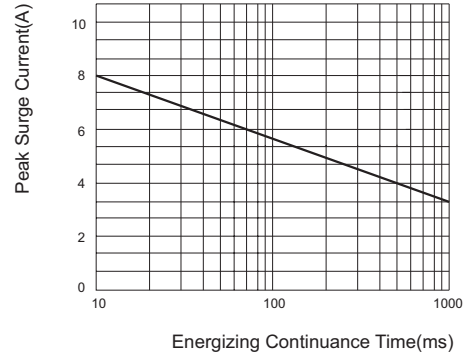


CHARACTERISTIC CURVES

Max. Load Current
vs. Ambient Temperature



Max. Permissible Non-repetitive
Peak Surge Current vs. Continuance Time



Disclaimer

This datasheet is for the customers' reference. All the specifications are subject to change without notice.

We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact Hongfa for the technical service. However, it is the user's responsibility to determine which product should be used only.