HFS27(DC type)

SOLID STATE RELAY







- Bipolat transistor output
- Photo isolation
- 2500V dielectric strength
- Single in-line PCB package
- RoHS compliant

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File No.:R50087694

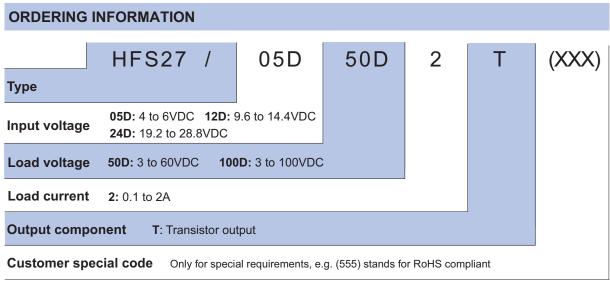
INPUT (TA = 25°C)				
Rated input voltage	05D	5VDC		
	12D	12VDC		
	24D	24VDC		
Control voltage range	05D	4 to 6VDC		
	12D	9.6 to 14.4VDC		
	24D	19.2 to 28.8VDC		
Must operate voltage	05D	4VDC		
	12D	9.6VDC		
	24D	19.2VDC		
Must release voltage		1VDC		
Input current	05D	20mA		
	12D	20mA		
	24D	16mA		
Input resistance	05D	300Ω		
	12D	Ω008		
	24D	2000Ω		

OUTPUT (TA = 25°C)				
Туре	□D-50D2T	□D-100D2T		
Rated load voltage	4 to 50VDC	4 to 100VDC		
Load voltage range	3 to 60VDC	3 to 100VDC		
Max. transient overvoltage	66Vpk	110Vpk		
Load current	0.1 to 2A			
Max. surge current (10ms)	8Apk			
Max. output on voltage drop	1.5Vrms			
Max. output on leakage current	0.1mA			
Max. turn-on time	0.5ms			
Max. turn-off time	1ms			

2500VAC, 50/60Hz, 1min	
1000MΩ (at 500VDC)	
8pF	
Acceleration: 1000m/s ² ,	
continuous surge: 11ms	
10 to 55Hz 1.5 mm DA	
45% to 85% RH	
-30°C to 85°C	
-30°C to 100°C	
Approx. 20g	
260°C, 10s or 350°C, 5s	

DESCRIPTION

HFS27 is a SPST-NO printed circuit mount SIP, DC output SSR. The HFS27 DC SSR range offers a choice of 50VDC,100VDC versions. Input voltage specifications have 5VDC, 12VDC and 24VDC. Thanks to excellent structure designing, it has 2A load current under poor ventilation.

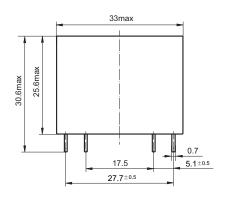


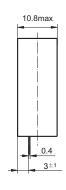
Notes: HFS27 is an environmental friendly product, please mark special code (555) when order.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

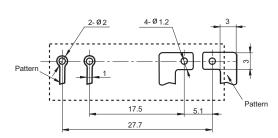
Unit: mm

Outline Dimensions

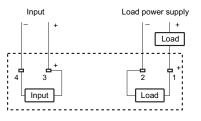




PCB Layout (Bottom view)

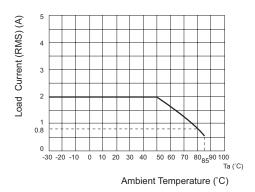


Wiring Diagram (Bottom view)

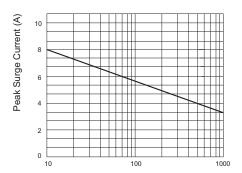


CHARACTERISTIC CURVES

Max. Load Current vs. Ambient Temp. (2A)



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



Energizing Continuance Time(ms)

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.

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