

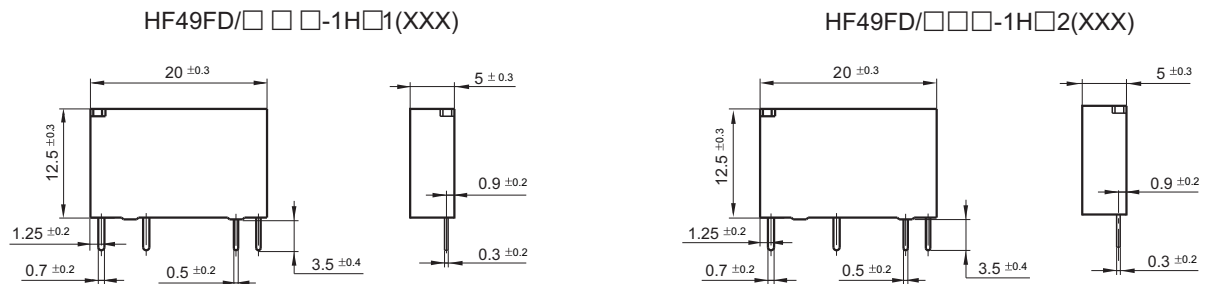
ORDERING INFORMATION

Type	HF49FD / 012 -1H 1 2 G T F L (XXX)						
Coil voltage	5, 6, 9, 12, 18, 24VDC						
Contact arrangement	1H: 1 Form A						
Contact version	1: Single contact 2: Bifurcated contact(Only for gold plated)						
Space between terminals	(See the following) 1: 5.08mm 2: 7.62mm						
Contact plating	G: Gold plated Nil: No gold plated (Only for single contact)						
Contact material	T: AgSnO ₂ (Only for single contact) Nil: AgNi						
Insulation standard	F: Class F B: Class B Nil: Class A						
Coil power	L: Sensitive (Only for 24VDC) Nil: Standard						
Special code ²⁾	XXX: Customer special requirement Nil: Standard						

Notes: 1) Contact is recommended for suitable condition and specifications if water cleaning or surface process is involved in assembling relays on PCB.
 2) The customer special requirement express as special code after evaluating by Hongfa.
 3) If customer need to fix HF49FD in 49F socket (HF49FD+49F socket) in application, please choose HF49FD relay with suffix (009) or suffix (086).
 4) Standard tube packing length is 546mm. Any special requirement needed, please contact us for more details.
 5) For products that should meet the explosion-proof requirements of "IEC 60079 series", please note [Ex] after the specification while placing orders. Not all products have explosion-proof certification, so please contact us if necessary, in order to select the suitable products.

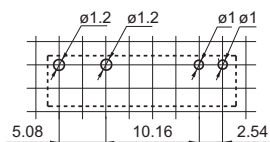
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions

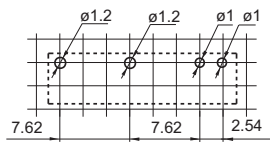


PCB Layout (Bottom view)

HF49FD/□□□-1H□1(XXX)



HF49FD/□□□-1H□2(XXX)



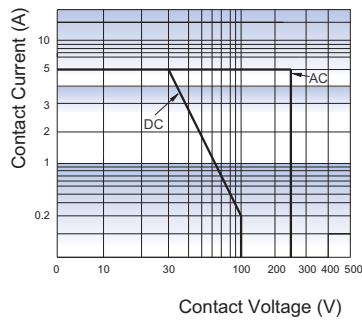
Wiring Diagram (Bottom view)



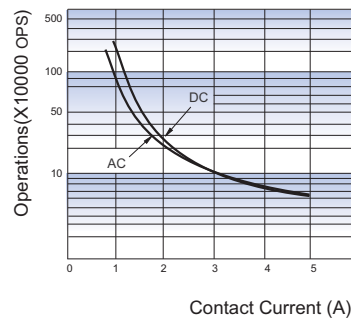
Remark: 1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.
 2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.
 3) The width of the gridding is 2.54mm.

CHARACTERISTIC CURVES

MAXIMUM SWITCHING POWER



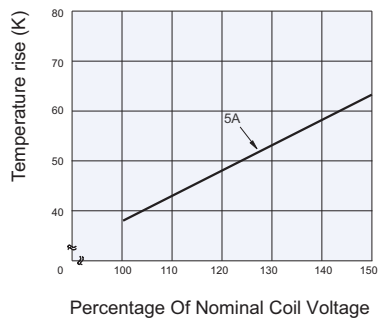
ENDURANCE CURVE



Test conditions:

1H1 type: AgNi, Resistive load, 250VAC/30VDC,
Room temp., 1s on 9s off.

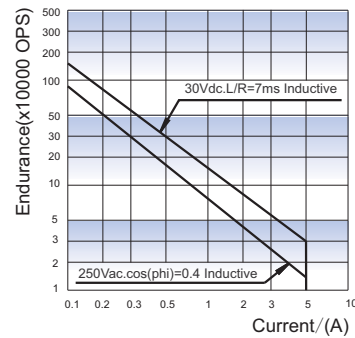
COIL TEMPERATURE RISE



Test conditions:

5A 85°C
(Typical curve of 24VDC standard type)

ELECTRICAL ENDURANCE CURVE OF INDUCTIVE LOAD



Test conditions:

1H1 : Room temp, 1s on 9s off.

Disclaimer

The specification is for reference only. See to "Terminology and Guidelines" for more information. Specifications 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.

© Xiamen Hongfa Electroacoustic Co., Ltd. All rights of Hongfa are reserved.