HONGFA RELAY

	SUBMINIATURE POWER RELAY SPDT, 6A , PC Board	**H F 8**



- 6A switching capabilities
- SPDT configurations
- Subminiature, High sensitive, PCB layout
- Sealed types for automatic wave soldering
- UL & CUR file No. E134517

■CONTACT DATA

Arrangement		SPDT
Initial Contact Resistance Max. (at 1A 24VDC)		100mΩ
Contact Material		Silver alloy
Contact Rating (Res. Load)		6A 120VAC 6A 24VDC
Max. switching voltage		300VAC/28VDC
Max. switching current		6A
Max. switching power		720VA/144W
UL/CUR rating		6A 120VAC/24VDC
Expected Life min. operations	Mechanical	$1X10^7$
	Electrical	$1X10^5$

■COIL

Nominal coil power	0.45W

■ SPECIFICATION

Initial Insulation Resistance		100MΩ, 500VDC
Dielectric Strength Between coil and Contacts Between open contacts		 2000VAC,1minute 750VAC,1minute
Surge Voltage between Contacts and coil		4000V
Operate time (at nomi. Vot.)		6ms
Release time (at nomi. Vot.)		3ms
Humidity		98%RH, +40℃
Ambient temperature		-55 to +90℃ -55 to +125℃
Shock Resistance	Functional	$100m/s^2$
	Destructive	$1000m/s^2$
Vibration Resistance		1.5mm, 10 to 55Hz
Termination		PCB
Unit weight		Approx. 8g
Construction		Sealed and Unsealed

■TABLE

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC (at 20 °C)	Coil Resistance Tolerance: ±10% Ω
3	2.25	0.3	3.9	20
5	3.75	0.5	6.5	56
6	4.5	0.6	7.8	80
9	6.75	0.9	11.7	180
12	9.0	1.2	15.6	320
18	13.5	1.8	23.4	720
24	18.0	2.4	31.2	1280
48	36.0	4.8	62.4	3800

* When require pick-up voltage<75% of nominal voltage, special order allowed.

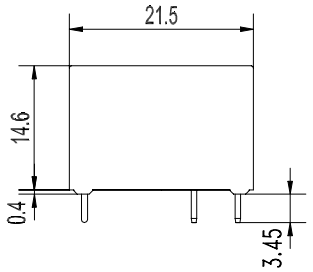
■ ORDERING INFORMATION

HF8 — 12 — D E F

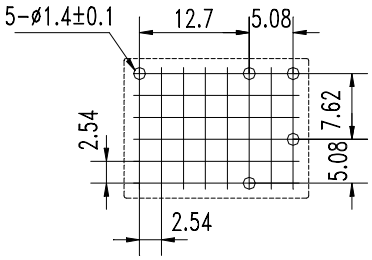
Coil voltage	Coil Source	Classification of type	Insulation Standard
3,5,6,9,12, 24,48VDC	D: DC	E: Sealed Nil: Unsealed	F: Class F Nil: Class B

■ OUTLINE DIMENSIONS , WIRING DIAGRAM AND PC BOARD LAYOUT

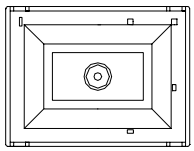
Outline Dimensions



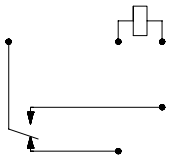
PCB Layout



Bottom View

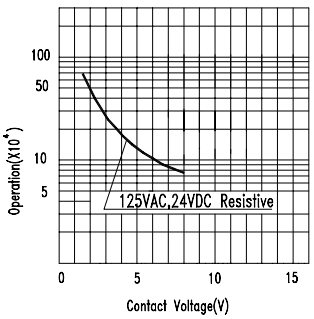


Wiring Diagram

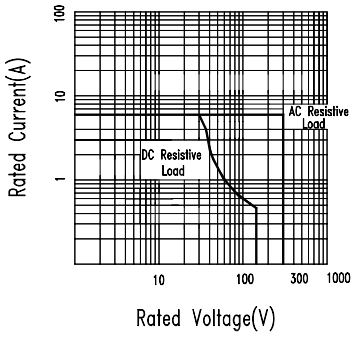


■ USEFUL CURVES

Life Curve



Contact Switching Capacity



Temperature Rise

