


**MINIATURE POWER
RELAYS**
30A 1 POLE PCB & QC Terminals
HF2150


- UL/CUL File No. : E44211
- 30A switching capabilities
- PCB coil terminals, ideal for heavy duty load
- Heavy load up to 7,200VA
- Sealed & Unsealed type available
- Class B, Class F insulation available

■ CONTACT DATA

Contact Form	1 FORM A	1 FORM B	1 FORM C	
	(NO)	(NC)	(NO)	(NC)
Initial Contact Resistance	20mΩ			
	at rated current , Valtage drop method			
Contact Material	Silver Alloy			
UL Rating	30A 277VAC	15A 277VAC	20A 277VAC	10A 277VAC
	20A 30VDC	10A 30VDC	20A 30VDC	10A 30VDC
	2HP 240VAC	1HP 240VAC	2HP 240VAC	1HP 240VAC
	1HP 125VAC	1HP 125VAC	1HP 125VAC	1HP 125VAC
Contact Rating	30A 240VAC	15A 240VAC	20A 240VAC	10A 240VAC
	20A 28VDC	10A 28VDC	20A 28VDC	10A 28VDC
Switching Capacity	7200VA	3600VA	4800VA	2400VA
	560W	280W	560W	280W
Switching Current	Max 30A	Max 15A	Max 20A	Max 10A
Switching Voltage	Max. 277VAC / 30VDC			
Electrical Life	1×10 ⁵ OPS min.			
Mechanical Life	1 ×10 ⁷ OPS min.			

■ SPECIFICATION

Insulation Resistance	1000MΩ
	500VDC
Dielectric Strength	2500VAC 1minute
Between coil and Contacts	
Between open contacts:	1500VAC 1minute
Operate Time	15 ms
Release Time	10ms
Ambient Temperature	CLASS B:-55 to100 °C
	CLASS F:-55 to125 °C
Humidity	98 % +40 °C
Vibration Resistance	DA:1.5mm10 to 55Hz
Shock Resistance	196m/s ² Malfunction
	980 m/s ² Mechanical
Dimension (mm)	See Outline Dimensions
Weight	Approx. 35 g
Termination	PCB
Construction	Sealed Unsealed

■ COIL DATA

Coil Consumption	Coil Voltage	Coil Resistance
DC: 0.9W	5 to110 VDC	see table below

■ TABLE FOR DC coil

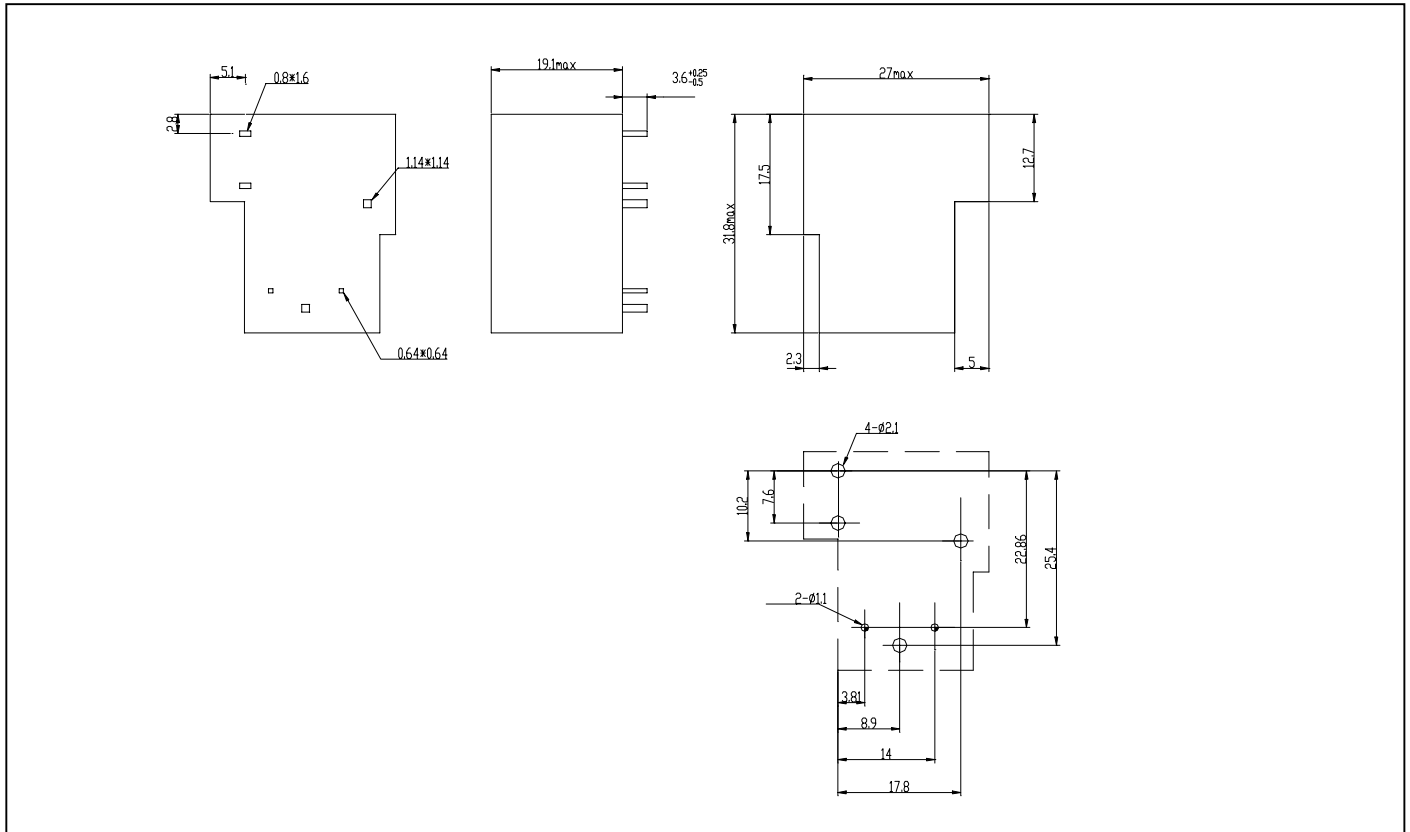
Nominal Voltage	Pick-up Voltage	Drop-Out Voltage	Coil Resis. Ω±10%	Nominal Voltage	Pick-up Voltage	Drop-Out Voltage	Coil Resis. Ω±10%
5	3.75	0.5	27	18	13.50	1.8	380
6	4.50	0.6	40	24	18.00	2.4	660
9	6.75	0.9	97	48	36.00	4.8	2560
12	9.00	1.2	155	70	52.50	7.0	5500
15	11.25	1.5	256	110	82.50	11.0	13450

* When requiring pull-in voltage <75% of nominal voltage, special order allowed.

ORDER DESIGNATION

HF2150	—	1A	—	12	DE	F
Model		Contact Form		Nominal voltage	Construction	F :Class F
		1A: N.O.		DC:5 To 110V	D: Unsealed	Nil: Class B
		1B: N.C			DE: Sealed	
		1C:SPDT				

OUTLINE DIMENSIONS ,WIRING DIAGRAM AND PC BOARD LAYOUT



USEFUL CURVES

