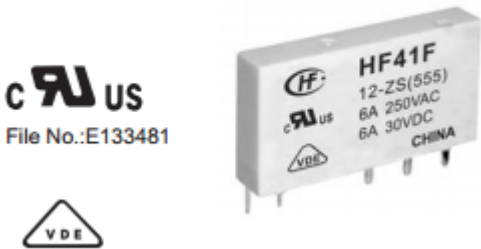


Datasheet

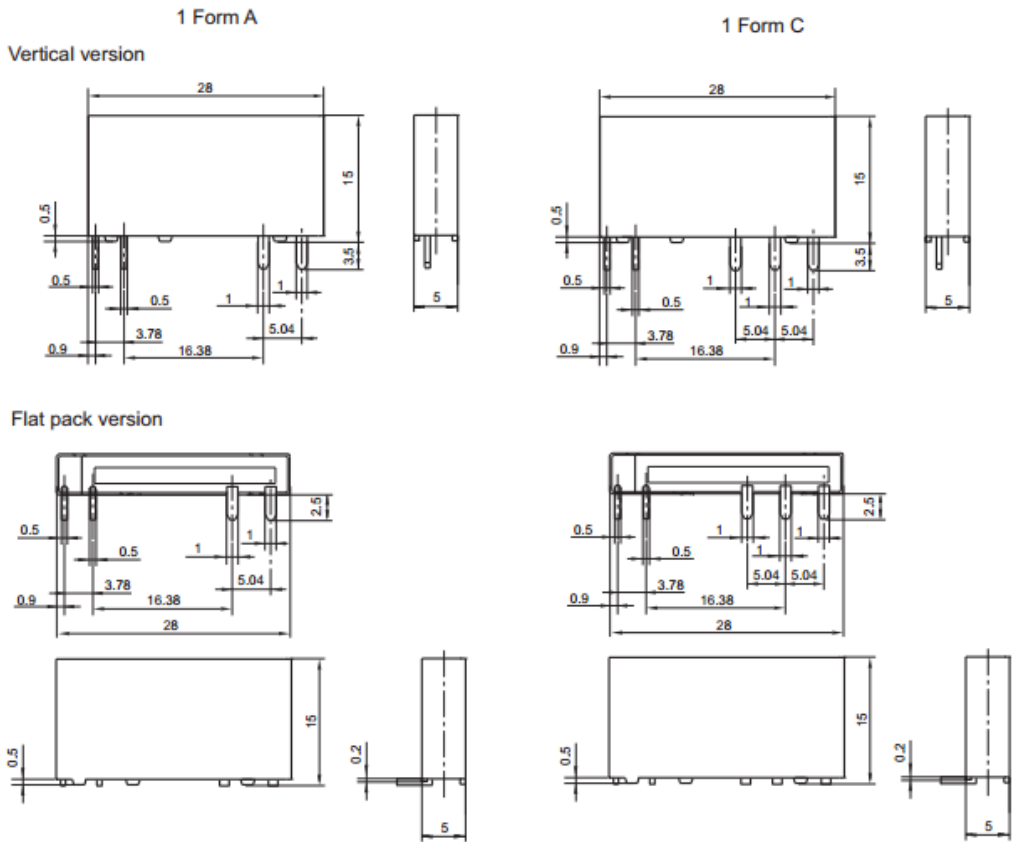
**SPDT PCB Mount Non-Latching Relay, 12V dc**

RS Stock number [476-634](#)

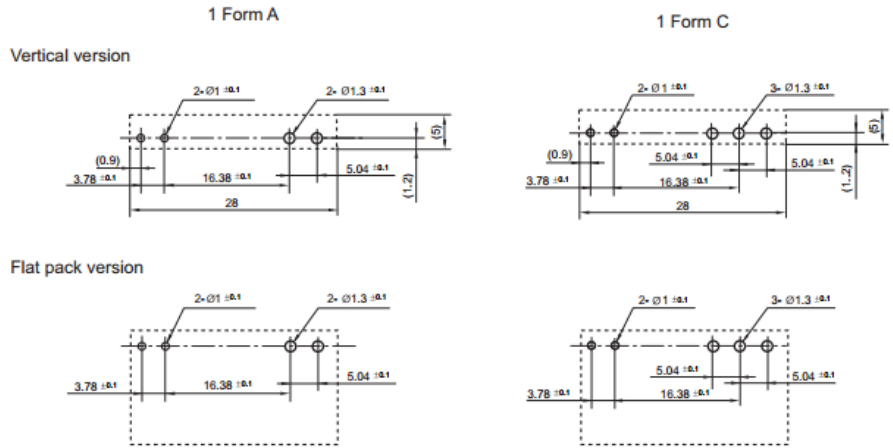
Dimensions: mm



Outline Dimensions



PCB Layout (Bottom view)

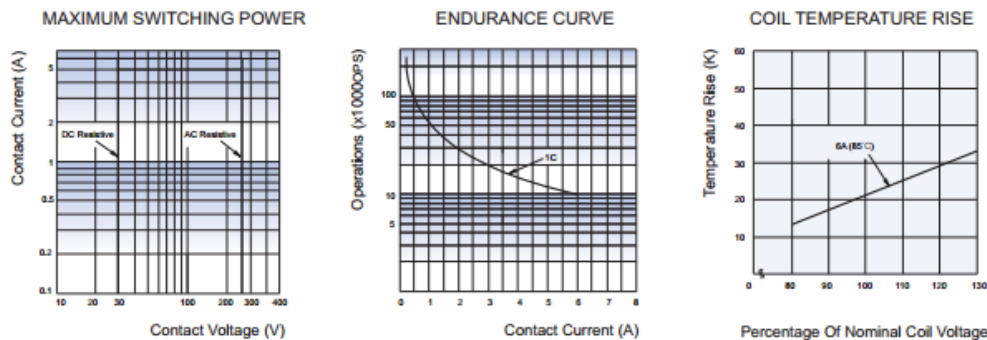


Wiring Diagram (Bottom view)



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 layouts is always  $\pm 0.1\text{mm}$ .

## Characteristic Curves



## Features

- Extremely low cost
- 2.5 dielectric strength (between coil and contacts)
- Flammability class according to UL94, V-O
- CTI 250, VDE 0631 / 0700
- 1 from A and 1 From configurations



## Contact Data

Contact arrangement: 1A, 1C  
Contact resistance: 100m  $\Omega$  max. (at 1A 6VDC)  
    Gold Plated: 30m  $\Omega$  (at 1A 6VDC)  
Contact rating (Res.load): 6A 250VAC/30VDC  
Contact material: AgSnO<sub>2</sub>, AgNi  
Max. switching voltage: 400VAC /125VDC  
Max. switching current: 6A  
Max. switching power: 1500VA/ 180W  
Mechanical endurance: 1x10(7) OPS  
Electrical endurance: 1x10(5) OPS

## Characteristics

Insulation resistance: 1000M  $\Omega$  (at 500VDC)  
Dielectric Strength: Between coil & contacts 4000VAC 1min  
    Between open contacts 1000VAC 1min  
Operate time (at nomi. Volt.): 8ms max  
Release time (at nomi. Volt.): 4ms max  
Shock resistance: Functional 49m/s  
    Destructive 980m/s  
Vibration resistance: 10Hz to 55Hz 1mm DA  
Humidity: 5% to 85% RH  
Ambient temperature: -40degC to 85deg  
Termination: PBC  
Unit weight: Approx. 5.4g  
Construction: Wash tight  
    Flux Proof



Nominal voltage VDC	Pick-Up voltage VDC	Drop-out voltage VDC	Max. Allowable voltage VDC	Coil Resistance At 23degC
5	3.75	0.25	7.5	147 x (1±10%)
6	4.50	0.30	9.0	212 x (1±10%)
9	6.75	0.45	13.5	476 x (1±10%)
12	9.00	0.60	18	848 x (1±10%)
18	13.5	0.90	27	1906 x (1±15%)
24	18.0	1.20	36	3390 x (1±15%)
48	36.0	2.40	72	10600 x (1±15%)
60	45.0	3.00	90	16600 x (1±15%)

**Safety Approval Ratings**

<b>UL&amp;CUL</b>	6A 30VDC Resistive: 6A 277VAC Pilot duty: R300 B300
<b>VDE (AgNi)</b>	6A 30VDC 6A 250VAC

Notes: Only some typical ratings are listed above. If more details are required, please contact us.