

HM4100F/4101F

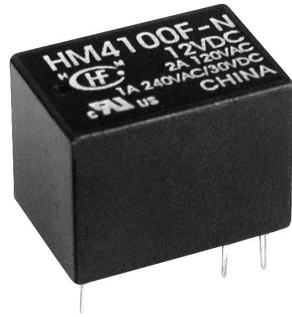
SUBMINIATURE INTERMEDIATE POWER RELAY



File No.:40000155



File No.:E170653



Features

- * Extremely low cost
- * SPDT configuration
- * Standard PC layout
- * Sealed version available

CONTACT DATA

Type	1Z
Initial Contact Resistance	100mΩ (at 1A,24VDC)
Contact Material	Silver Alloy
Contact Rating (Res. Load)	H: 1A 120VAC/30VDC N&B: 1A 240VAC/30VDC 2A 120VAC
Max. switching voltage	300VAC/150VDC
Max. switching current	2A
Max. switching power	240VA/30W
UL/CUR rating	H: 1A 125VAC/30VDC N & B:1A 240VAC/30VDC 2A 125VAC
Mechanical life	1 x 10 ⁷ OPS
Electrical life	1 x 10 ⁵ OPS

COIL

Coil power	H:200 mW; N: 360mW; B: 450 mW
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COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage (at 20°C) VDC	Coil Resistance Tolerance:±10%		
				H	N	B
3	2.3	0.3	3.6	45	25	20
5	3.8	0.5	6.0	120	70	56
6	4.5	0.6	7.2	180	100	80
9	6.8	0.9	10.8	400	220	180
12	9.0	1.2	14.4	700	400	320
24	18.0	2.4	28.8	2800	1600	1280

CHARACTERISTICS

Initial Insulation Resistance	100M Ω 500 VDC	
Dielectric Strength	Between coil and Contacts	500Vrms 1min.
	Between open contacts	1000V 1min.
Operate time (at nomi. Volt.)	10ms	
Release time (at nomi. Volt.)	5ms	
Temperature rise (at nomi. Volt.)	50°C	
Shock Resistance	Functional	98m/s ² (10g)
	Destructive	980m/s ² (100g)
Vibration Resistance	1.5mm 10 to 55Hz	
Humidity	35% to 85% RH	
Ambient temperature	-25°C to 55°C	
Termination	PCB	
Unit weight	5g	
Construction	Sealed & Unsealed	



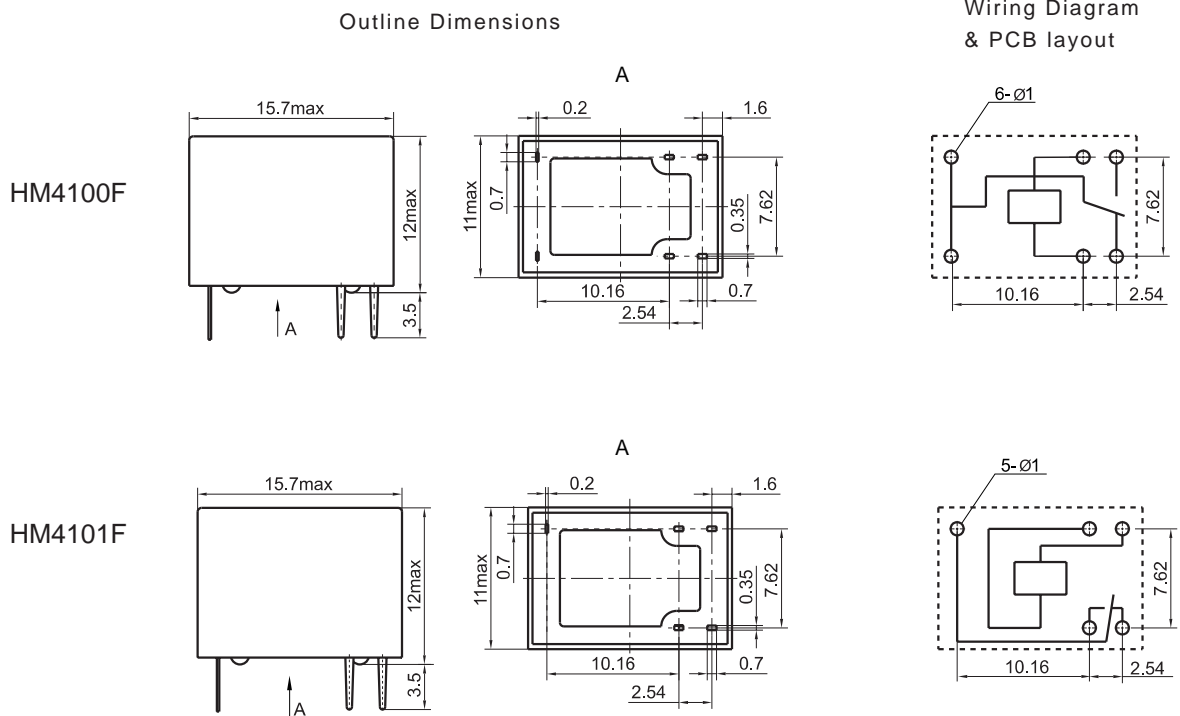
HONGFA RELAY
ISO9001/QS9000/ISO14000 CERTIFIED

VERSION: EN01-20020620

ORDERING INFORMATION

Type	HM4100F / HM4101F /	012	N	S
Coil voltage	3 to 24VDC			
Coil Power	H: 200mW N: 360mW B: 450mW			
Structure	Nil: Unsealed S: Sealed			

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



CHARACTERISTICS CURVE

