

OTX14F3	MINIATMRE HIGH POWER RELAY
  	Features ● 8A switching capability ● 5kV dielectric strength (between coil and contacts) ● 2 Form A and 2 Form C configurations Plastic ● Dust-proof type and flux-proof type are available ● Outline Dimensions: ((29.5 x 13 x20.6)mm

CONTACT DATA

Contact arrangement	2A 2C		
Contact resistance ⁽¹⁾	≤100mΩ		
Contact material	AgCdO;AgSnO2		
Contact rating	8A/250VAC	8A/30VDC	5A/250VAC 5A/30VDC
Max. switching current	8A		
Max. switching power	1250VA/150W		
Max. switching voltage	250VAC/30VDC		
Mechanical endurance	1x10 ⁷ ops		
Electrical endurance	1x 10 ⁵ ops		

CHARACTERISTICS

Insulation resistance	100mΩ(500VDC)	
Dielectric strength	Between coil & contacts	4000VAC 1min
	Between open contacts	1000VAC 1min
Operate time (at rated. volt.)	≤20ms	
Release time (at rated. volt.)	≤10ms	
Shock resistance	Functional	98m/s ²
	Destructive	980m/s ²
Humidity	5%~85%	
Ambient temperature	-40℃~70℃	
Unit Weight	14g	

Notes :1.The data shown above are initial values 2. Please find coil temperature curve in the characteristic curves below. ;

3.UL insulation system: Class A

COIL	at 20℃			
Coil Power	0.54W/0.72W			
COIL DATA				
0.54w				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil Resistance ±10%
3	≤2.4	≥0.3	3.9	17
6	≤4.8	≥0.6	7.8	67
12	≤9.6	≥1.2	15.6	266
24	≤19.2	≥2.4	31.2	1066
48	≤38.2	≥4.8	62.4	4267

0.72w				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil Resistance $\pm 10\%$
3	≤ 2.4	≥ 0.3	3.9	12.5
6	≤ 4.8	≥ 0.6	7.8	50
12	≤ 9.6	≥ 1.2	15.6	200
24	≤ 19.2	≥ 2.4	31.2	800
48	≤ 38.2	≥ 4.8	62.4	3200

- Notes: (1) When requiring pick-up voltage < 75% of nominal voltage, special order allowed.
- (2) The data shown above are initial values.
- (3) Maximum voltage refers to the maximum voltage which relay coil could endure in a short period of time.
- (4) At normal temperature, the relay coil applies voltage above 80% of the rated value, and the relay will operate.
- However, in order to achieve the specified product performance, please apply the rated voltage to the coil when using.

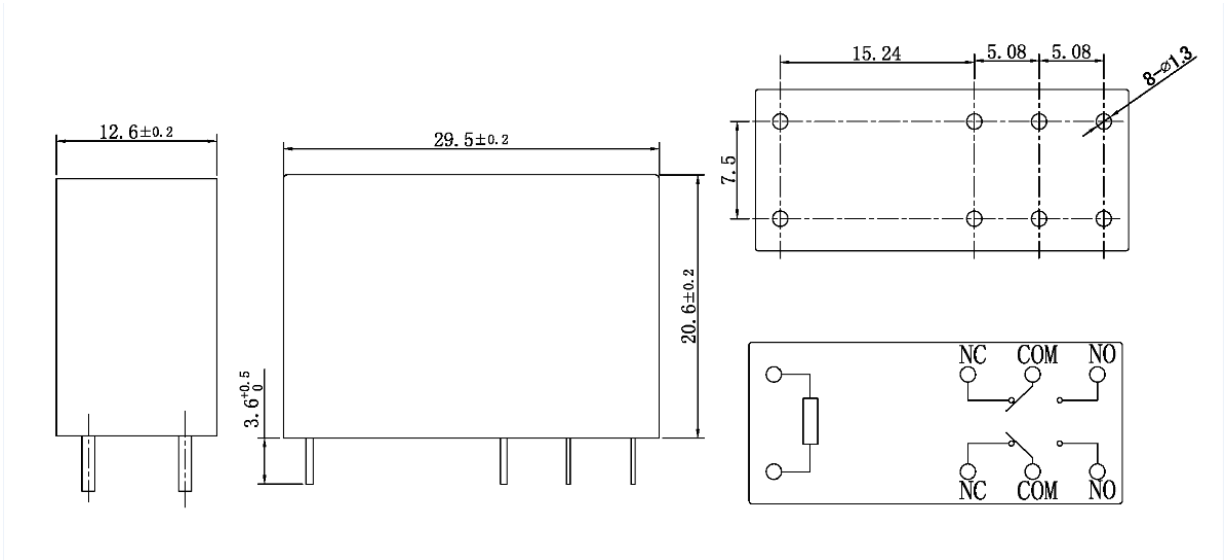
ORDERING INFORMATION

Type	OTX14F3	-DC	-3V	-1A	-L	-S	-
Coil power supply	DC: direct current						
Coil voltage	3V,6V,12V,24V,48V						
Contact arrangement	2A:2FormA 2C:2FormC						
Coil Power	L:0.53w D:0.72W						
Construction	S: Plastic sealed Nil: Flux proofed						
Installation Method	Nil : PCB welding						

- Notes:(1) We recommend flux proofed types for a clean environment (free from contaminations like H2S, SO2, NO2, dust, etc.). We suggest to choose plastic sealed types and validate it in real application for an unclean environment (with contaminations like H2S, SO2, NO2, dust, etc).
- (2) Contact is recommended for suitable condition and specifications if water cleaning or surface process is involved in assembling relays on PCB. ;

OMTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOMT

Unit : mm



- Notes: (1)In case of no tolerance shown in outline dimension: outline dimension ≤ 1 mm, tolerance should be ± 0.2 mm; outline dimension >1 mm and ≤ 5 mm, tolerance should be ± 0.3 mm; outline dimension >5 mm, tolerance should be ± 0.4 mm.
- (2) The tolerance without indicating for PCB layout and pin size is always ± 0.1 mm.
- (3)This product specification is for reference only, subject to change without prior notice
- This specification is for reference only, the actual use is subject to the sample, all relays meet ROHS requirements, if there is any change will not be notified.
- web:www.qingmu.hk