

OTXA2F	Small power relay
	Features ● 20A switching capability ● The anti-surge voltage between coil and contact is 10kV ● 5kV dielectric strength (between coil and contacts) ● Creepage distance is 8mm ● Low height, only 24.2mm ● UL Insulation grade: F Insulation grade Is available ● Outline Dimensions: (29.0×12.6×24.2) mm

CONTACT DATA

Contact arrangement	1H
Contact resistance ⁽¹⁾	≤50mΩ(1A 6VDC)
Contact material	AgSnO ₂
Contact rating	16A250VAC 16A 30VDC
Max. switching voltage	277VAC/30VDC
Max .switching current	20A
Max. switching power	4000VA/480W
Mechanical endurance	1x10 ⁷ OPS
Electrical endurance	1x10 ⁵ OPS

CHARACTERISTICS

Insulation resistance	100mΩ(500VDC)	
Dielectric strength	Between coil & contacts	5000VAC 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
Vibration resistance	10-55Hz, 1.5mm	
Humidity	5%~85%	
Ambient temperature	-40℃~85℃	
Terminal Configuration	Lead end form T: printed plate D type, standard type: printed plate type and fast connection type	
Package type	The flux type	
Unit weight	15g	

Notes :(1) The above values are initial values; (2) See the performance curve for coil temperature rise

COIL				
Coil power	540m			
COIL DATA at 23℃				
0.4W				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC 85℃	Coil Resistance ±10%
5	≤4.0	≥0.5	6.50	47
6	≤4.8	≥0.6	7.80	68
9	≤7.2	≥0.9	11.7	155
12	≤9.6	≥1.2	15.6	270
18	≤14.4	≥1.8	23.4	620
24	≤19.2	≥2.4	31.2	1100
48	≤38.4	≥4.8	62.4	4400

Notes :(1) The above values are initial values;

(2) Maximum voltage is the maximum voltage that the relay coil can withstand in a short period of time

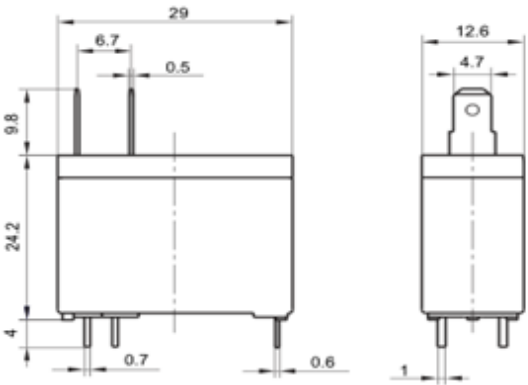
ORDERING INFORMATION

	OTXA2	-DC	12	-1H	F	T	-
Type							
Coil power	DC:DC						
Coil voltage	5V,6V,9V,12V,24V,48V						
Contact arrangement	1H:1FormH						
Insulation class	F: F Nil: B						
Terminal Configuration	T: Printed board Nil: Printed board and Quick connect (standard type)						
Special							

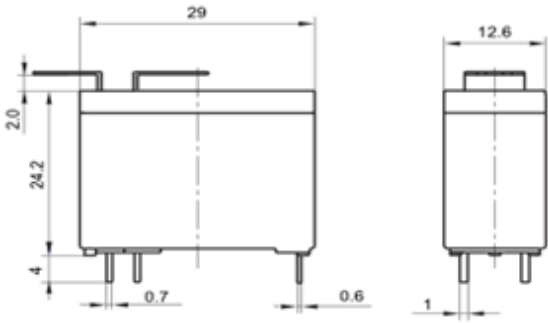
OMTLNE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOMT

unit: mm

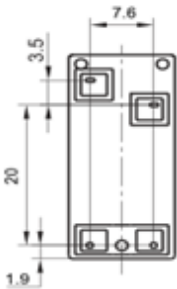
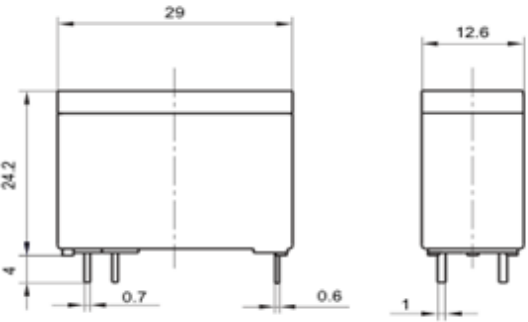
standard form



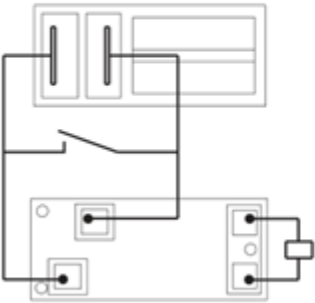
D-type



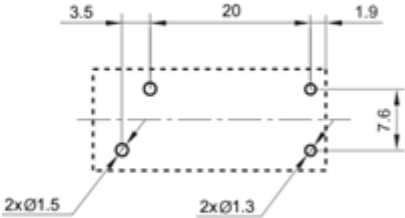
T-type



Type D standard



D type



Notes: (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 layout and pin size is always $\pm 0.1\text{mm}$.
(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