

OTX32F	Subminiature medium power relay		
 	Features ● 5A,10A,16A switching capability ● Subminiature, standard PCB layout ● 1 Form A configurations Plastic ● sealed and flux proofed types available ● UL insulation system: class F available. ● Outline Dimensions: (18.4 x 10.2 x 15.3) mm		

CONTACT DATA

Contact arrangement	1A,		
Contact resistance ⁽¹⁾	≤100mΩ		
Contact material	AgCdO;AgSnO ₂		
Contact rating	5A/277VAC 5A/30VDC	10A/277VAC 10A/30VDC	16A/250VAC 16A/30VDC
Max. switching voltage	277VAC/30VDC		
Max. switching current	5A		
Max. switching power	1385VA/150W		
Mechanical endurance	1x10 ⁷ OPS		
Electrical endurance	1x10 ⁵ OPS		

Notes: The data shown above are initial values.

CHARACTERISTICS

Insulation resistance	100mΩ(500VDC)	
Dielectric strength	Between coil & contacts	2500VAC 1min
	Between open contacts	1000VAC 1min
Operate time (at rated. volt.)	≤8ms	
Release time (a rated. volt.)	≤5ms	
Shock resistance	Functional	98m/s ²
	Destructive	980m/s ²
Vibration resistance	10-55Hz, 1.5mm	
Humidity	5%~85%	
Ambient temperature	-40℃~85℃	

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

Coil Power	0.45W,0.2W			
COIL DATA				
0.45W				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil Resistance Ω±10%
3	≤2.25	≥0.15	3.9	20
5	≤3.75	≥0.25	6.5	55
6	≤4.50	≥0.30	7.8	80
9	≤6.75	≥0.45	11.7	180
12	≤9.00	≥0.60	15.6	320
18	≤13.5	≥0.90	23.4	720
24	≤18.0	≥1.20	31.2	1280
48	≤36.0	≥2.40	62.4	5120

0.2W				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil Resistance $\Omega \pm 10\%$
3	≤ 2.25	≥ 0.15	4.5	45
5	≤ 3.75	≥ 0.25	7.5	125
6	≤ 4.50	≥ 0.30	9.0	180
9	≤ 6.75	≥ 0.45	13.5	400
12	≤ 9.00	≥ 0.60	18	720
18	≤ 13.5	≥ 0.90	27	1600
24	≤ 18.0	≥ 1.20	36	2800
48	≤ 36.0	≥ 2.40	72	11520

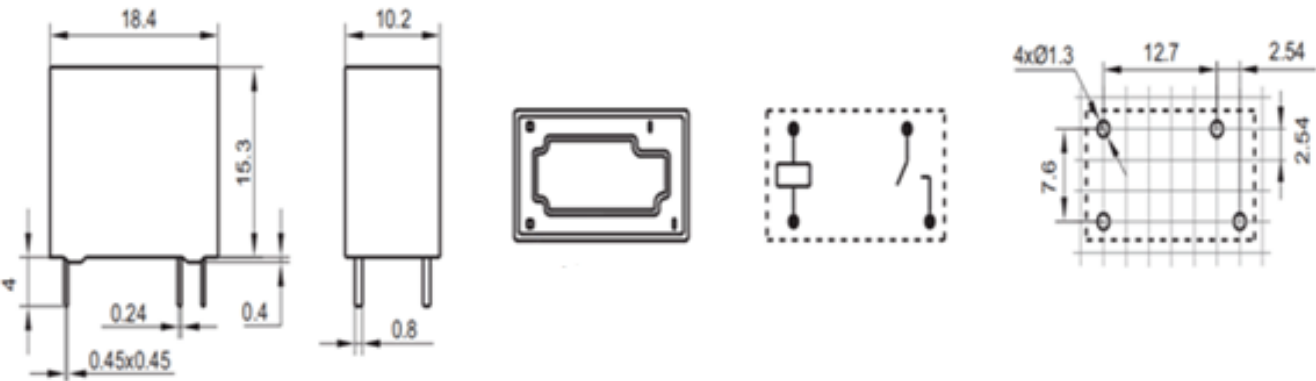
ORDERING INFORMATION

	OTX32F	-DC	-12V	-1A	-D	-	-
Type							
Coil power	DC: Direct current						
Coil voltage	3V, 5V, 6V, 9V, 12V, 18V, 24V, 48V						
Contact arrangement	1A:1FormA						
Coil Power	Nil: 0.2w D:0.45w						
Terminal Configuration	Nil: PCB welding						
Construction	S: Plastic sealed Nil: Flux proofed						

Notes: (1) We recommend flux proofed types for a clean environment (free from contaminations like H₂S、SO₂、SO₂, dust, etc.). We suggest to choose plastic sealed types and validate it in real application for an unclean environment (with contaminations like H₂S、SO₂、SO₂, 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 ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.
(2)The tolerance without indicating for PCB layout and pin size is always ±0.1mm.
(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 ROSH requirements, if there is any change will not be notified. web:www.qingmu.hk