

OTXT78	Auto Relay
 	Features • 20A switching capability • High current capacity • Subminiature, standard PCB layout • Dust-proof type and flux-proof type are available • Outline Dimensions: (15.7×12.3×14) mm

CONTACT DATA

Contact arrangement	1A,1B,1C	
Contact resistance ⁽¹⁾	≤50mΩ	
Contact material	AgCdO;AgSnO ₂	
Contact rating	NO:10A/125VAC	NC:5A/125VAC
	7A/250VAC	5A/250VAC
	20A/14 VDC	15A/14VDC
Max. switching voltage	250VAC/14VDC	
Max. switching current	20A	
Max. switching power	1250VA/280W	
Mechanical endurance	1x10 ⁷ OPS	
Electrical endurance	1x10 ⁵ OPS	

CHARACTERISTICS

Insulation resistance	100mΩ(500VDC)	
Dielectric strength	Between coil & contacts	500VAC 1min
	Between open contacts	500VAC 1min
Operate time (at rated. volt.)	≤10ms	
Release time (at rated. volt.)	≤5ms	
Shock resistance	100m/s ² 11ms	
Vibration resistance	10-55Hz, 1.5mm	
Humidity	85%(at20℃)	
Ambient temperature	-40℃~85℃	
Terminal strength	10N	
Unit weight	6g	

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

COIL	at 20℃				
Coil power	0.36w 0.6w				
COIL DATA					
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil Resistance ±10%	
				0.36w	0.6w
3	≤2.3	≥0.3	3.3	25	/
4	≤2.8	≥0.4	4.4	44	/
5	≤3.8	≥0.5	5.5	69	/
6	≤4.5	≥0.6	6.6	100	60
9	≤6.8	≥0.9	9.9	225	135

12	≤9.0	≥1.2	13.2	400	240
24	≤18.0	≥2.4	26.4	1600	960

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

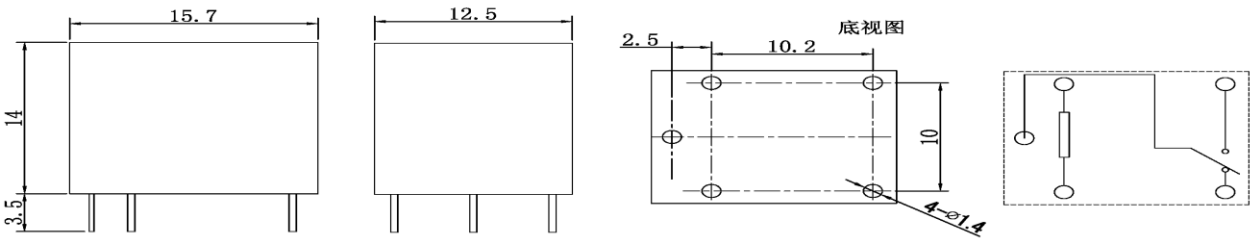
ORDERING INFORMATION

	OTXT78	-DC	-12V	-1A	-D	-	-
Type							
Coil power	DC-DC						
Coil voltage	3V, 4V, 5V, 6V, 9V, 12V, 24V						
Contact arrangement	1A:1FormA 1B:1FormB 1C:1FormC						
Coil Power	Nil:0.6w	D: 0.8w	M:0.36w				
Terminal Configuration	Nil: PCB welding						
Coil Power	Nil:0.6w	D: 0.8w	M:0.36w				
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).

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 ROHS requirements, if there is any change will not be notified. web:www.qingmu.hk