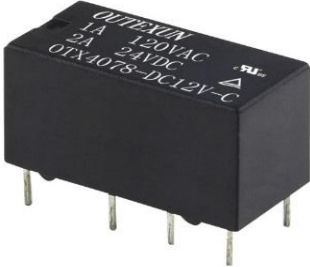


OTX4078	Subminiature double in-line relay
	Features ● 2 Form C configurations ● High switching capacity 60W, 125V ● DIP construction, matching with standard 16-pin IC socket ● Outline Dimensions: (20.5×10×11.8) mm

CONTACT DATA

Contact arrangement	2C
Contact resistance ⁽¹⁾	≤100mΩ
Contact material	AgNi
Contact rating	1A/250VAC,2A/30VDC
Max. switching voltage	250VAC/30VDC
Max. switching current	2A
Max. switching power	250VA/60W
Minimum application load	10mv 10μA
Mechanical endurance	1x10 ⁷ OPS
Mechanical endurance	1x10 ⁵ OPS

Notes: The data shown above are initial values.

CHARACTERISTICS

Insulation resistance	100mΩ(500VDC)	
Dielectric strength	Between coil & contacts	1000VAC 1min
	Between open contacts	550VAC 1min
Operate time (at rated. volt.)	≤6ms	
Release time (at rated. volt.)	≤4ms	
Shock resistance	Functional	196m/s ²
	Destructive	980m/s ²
Vibration resistance	10-55Hz, 1.5mm	
Humidity	5%~85%	
Ambient temperature	-40℃~85℃	
Solderability	235℃±2℃ 3±0.5s	

COIL	at20℃
Coil Power	0.2W/0.36W

COIL DATA				
0.36W				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil Resistance Ω±10%
3	≤2.25	≥0.3	4.5	30
5	≤3.75	≥0.5	8	90
6	≤4.50	≥0.6	10	130
9	≤6.8	≥0.9	14.5	280
12	≤9.00	≥1.2	18.5	450
15	≤11.3	≥1.5	22	625
24	≤18.0	≥2.4	35.5	1600
48	≤36.0	≥4.8	56	4000
0.2W				

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC	Coil Resistance $\Omega \pm 10\%$
3	≤ 2.25	≥ 0.3	6	45
5	≤ 3.75	≥ 0.5	10	125
6	≤ 4.50	≥ 0.6	12	180
9	≤ 6.8	≥ 0.9	18	405
12	≤ 9.00	≥ 1.2	24	720
15	≤ 11.3	≥ 1.5	30	1125
24	≤ 18.0	≥ 2.4	48	2880

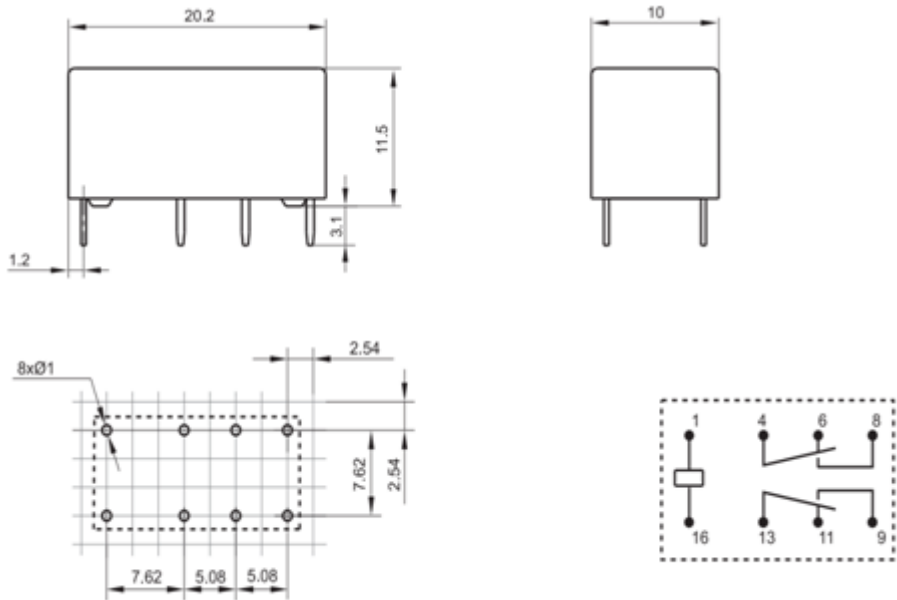
ORDERING INFORMATION

Type	OTX4078	-DC	-12V	-2C	-D	-	-
Coil power supply	DC:DC						
Coil voltage	6V, 9V, 12V, 24V						
Contact arrangement	2C:2FormC						
Coil Power	Nil:0.2w D:0.36w						
Construction	S: Plastic sealed Nil: Flux proofed						
Installation Method	Nil : PCB welding						
special load							

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 $\leq 1\text{mm}$, 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](http://www.qingmu.hk)