

OTX49F	Small medium power relay
	Features 40A switching capability 2.5kV dielectric strength (between coil and contacts) - Ultra-thin and ultra-small (only 5mm wide and 12.5mm high) - High sensitivity, power consumption is only 0.12W - Equipped with a variety of sockets for choice - Environmental protection products (RoHS compliant) - Outline Dimensions: (20.0×5.0×12.5)

CONTACT DATA

Contact arrangement	1H
Contact resistance ⁽¹⁾	≤100mΩ(1A 6VDC)
Contact material	AgSnO ₂ ,AgNi
Contact rating	5A250VAC/30VDC
Max. switching voltage	250VAC/30VDC
Max. switching current	5A
Max. switching power	1250VA/150W
Mechanical endurance	1x10 ⁷ OPS
Electrical endurance	1x10 ⁵ OPS
Notes:(1) The data shown above are initial values.	

CHARACTERISTICS

Insulation resistance	100mΩ(500VDC)	
Dielectric strength	Between coil & contacts	3000VAC 1min
	Between open contacts	1000VAC 1min
Operate time (at rated. volt.)	≤10ms	
Release time (at rated. volt.)	≤5ms	
Shock resistance	Functional	98m/s ²
	Destructive	980m/s ²
Vibration resistance	10-55Hz, 1.5mm Double amplitude	
Humidity	5%~85%	
Ambient temperature	-40℃~70℃	
Terminal Configuration	PCB Mounted	
Unit weight	3g	

COIL	at 20℃			
Coil power	120Mw(5VDC ~ 18VDC)			
	180Mw(24VDC)			
COIL DATA				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage VDC 85℃	Coil Resistance ±10%
5	≤3.50	≥0.25	6.0	208
6	≤4.20	≥0.30	7.2	300
9	≤6.30	≥0.45	10.8	675
12	≤8.40	≥0.60	14.4	1200
24	≤16.8	≥1.20	28.8	3200

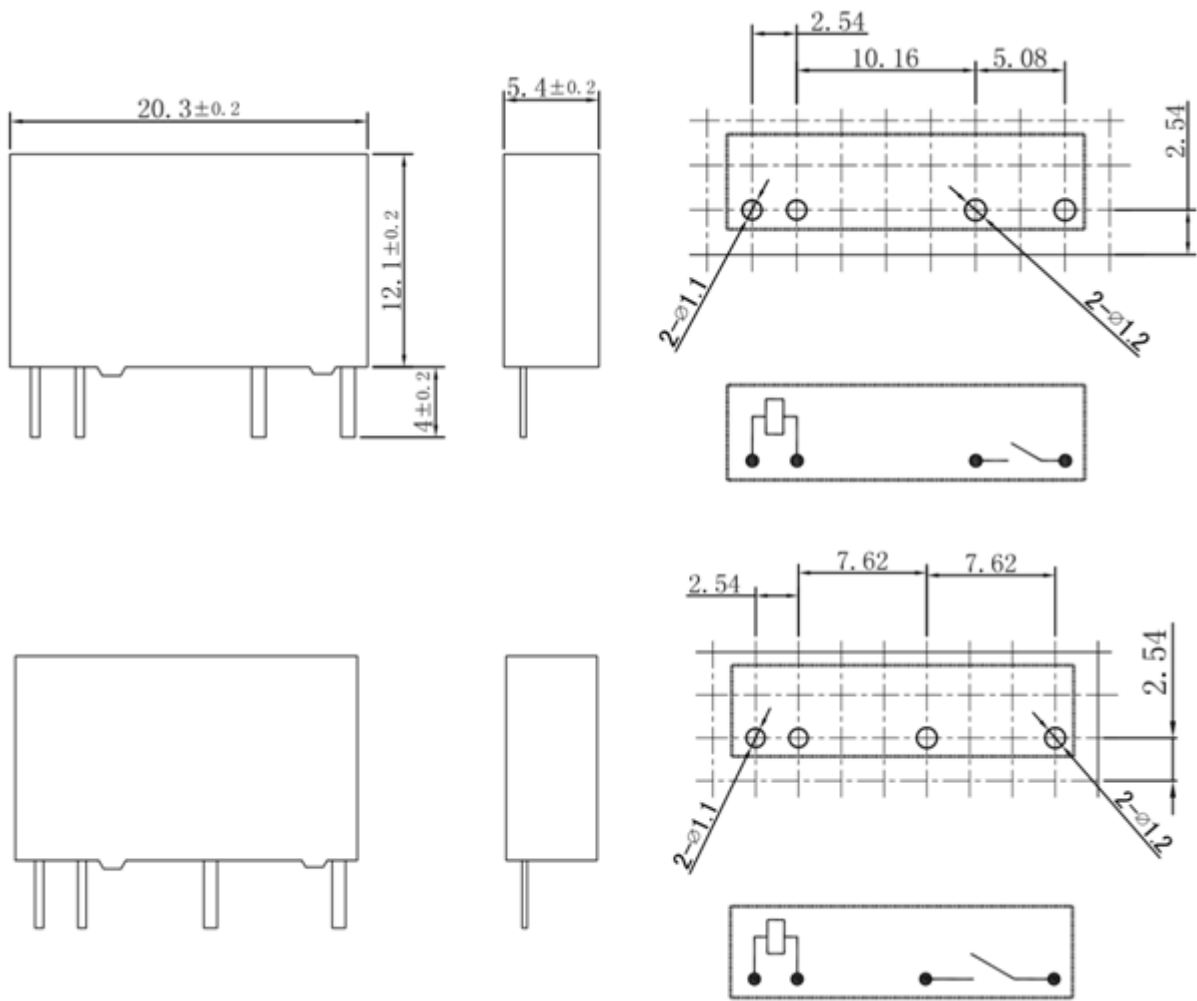
Notes : (1) maximum voltage refers to the maximum voltage that the relay coil can withstand in a short time;
 (2)24VDC, 120MW specifications are also available, if you need to contact us

ORDERING INFORMATION

	OTX49F	-DC	-12V	-Y	-F	-
Type						
Coil power supply	DC-DC					
Coil voltage	3V,6V,12V,24V,48V					
Contact arrangement	Y: Single moving contact E: bifurcated contacts					
Lead foot spacing (see figure below) :	F:5.08mm S : 7.62mm					
Special						

Notes : (1) type Y specification is suitable for the occasion of higher load power; Type E is suitable for low power, control signal and other occasions (2) After the relay is installed on PCB board and welded, if overall cleaning is required, please contact us to provide appropriate products;

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