

OTX115F3	MINIATMRE HIGH POWER RELAY
	Features ● AC/DC coil specifications, maximum 16A contact switching ● Low height: only 15.7mm ● 5kV dielectric strength (between coil and contacts) ● Creepage distance is 10mm ● Equipped with a variety of sockets to choose from ● Outline Dimensions: (29×12.7×15.7) mm

CONTACT DATA :

Contact arrangement	2A,2B,2C
Contact resistance ⁽¹⁾	≤100mΩ
Load	Resistive load (COS φ =1)
Contact material	AuAg
Contact rating	8A/250VAC 8A /30VDC
Minimum load (1)	100mA 5VDC
Max. switching voltage	250VAC/30VDC
Max. switching current	8A
Max. switching power	2000VA/240W
Mechanical endurance	1x10 ⁷ OPS(at 300 times/min)
Electrical endurance	1x10 ⁵ OPS(at 300 times/min)

CHARACTERISTICS

Insulation resistance	100mΩ(500VDC)	
Dielectric strength	Between coil & contacts	5000VAC 1min
	Between open contacts	1000VAC 1min
	Between Contacts	2500VAC 1min
Operate time (at rated. volt.)	15ms	
Release time (at rated. volt.)	8ms	
Shock resistance	Functional	10G
	Destructive	100G
Vibration resistance	10-55Hz, 1.5mm	
Humidity	5%~85%	
Ambient temperature	-40℃~85℃	
Max. switching frequency	Electrical life: 1200 times/hour	
	Mechanical life: 18000 times/hour	
Unit weight	14g	

Notes :(1)Minimum application load is a reference value;

(2The electrical durability is measured by the normally open contact or normally closed contact

COIL	at 20℃			
Coil power	0.4w			
COIL DATA				
0.4W				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Voltage (mA)	Coil Resistance ±10%
5	≤3.5	≥0.5	80	62
6	≤4.2	≥0.6	66.7	90
9	≤6.3	≥0.9	44.4	202
12	≤8.4	≥1.2	33.3	360
18	≤12.6	≥1.8	22.2	810
24	≤16.8	≥2.4	16.7	1440
48	≤33.6	≥4.8	8.3	5760

Notes : (1) The above values are initial values;
(2) Maximum overload voltage: 130.% of rated voltage at 70°C, 170% of rated voltage at 23°C

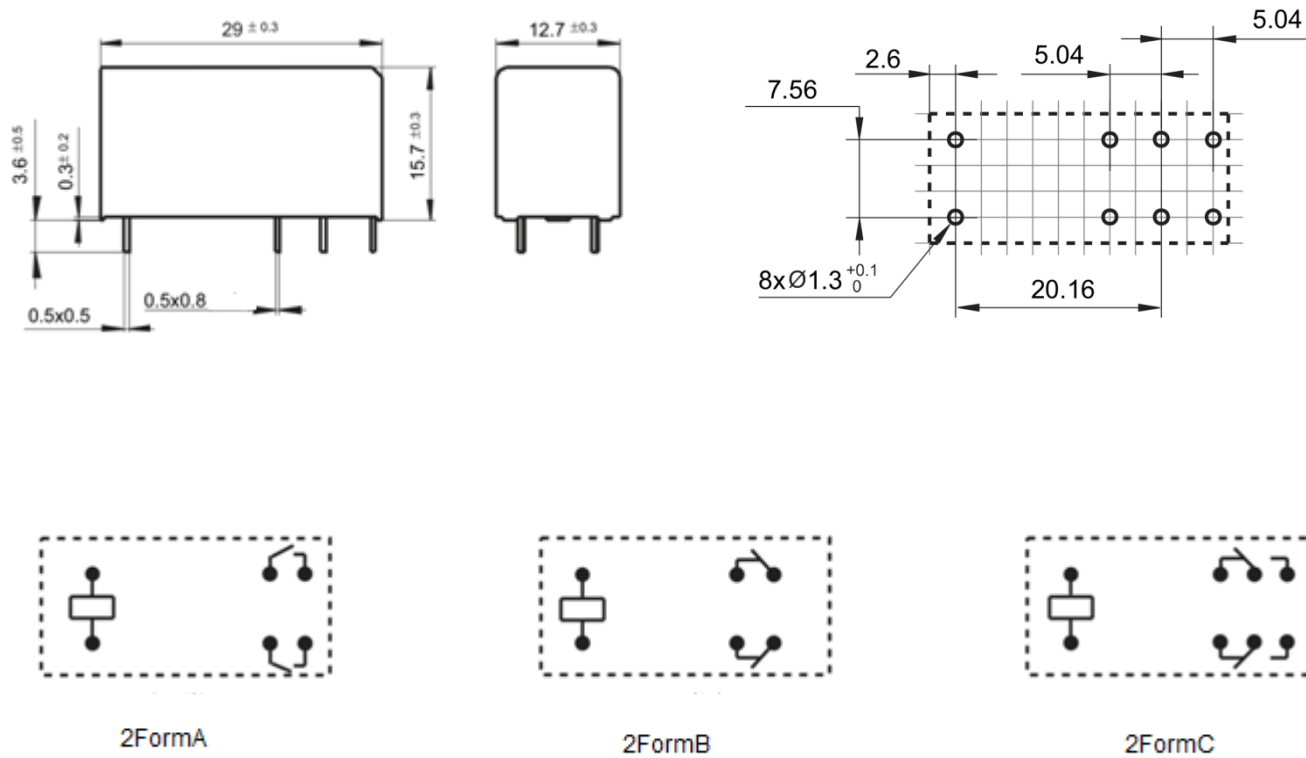
ORDERING INFORMATION

	OTX115F3	-L	-5V	-2A	-S	-	-
Type							
Coil power	L:0.4W						
Coil voltage	5,6,12,24,48(VDC)						
Contact arrangement	2A:2FormA	2B:2FormB	2C:2FormC				
Construction :	S: Dustproof type	SH : Flux proofed					
Terminal Configuration	Nil: PCB welding						
Special							

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 ≤ 1 mm, tolerance should be ± 0.2 mm; outline dimension > 1 mm and ≤ 5 mm, tolerance should be ± 0.3 mm; outline dimension > 5 mm, tolerance should be ± 0.4 mm.
(2) The tolerance without indicating for PCB layout and pin size is always ± 0.1 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