



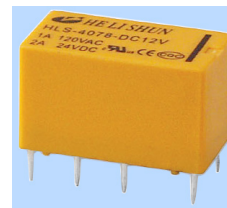
E220153



CQC04001010237



ATS0411191



ORDERING CODE

HLS-4078 - H - DC12V

NOMINAL VOLTAGE

DC3V,DC5V,DC6V,DC9V,DC12V,DC24V,DC48V

COIL

H HIGH POWER |0.36W|

NIL....STANDARD |0.2W|

M.....HIGH SENSITIVE |0.15W|

B.....0.45W

TYPE

CONTACT DATA

Contact Form	2C
Contact Material	Ag+Au
Contact Ratings	1A 120VAC;2A/24VDC
Max Switching Voltage	240VAC/60VDC
Max Switching Current	2A
Max Switching Power	120VA/30W
Initial Contact Resistance	50m Ω Max at 6VDC 1A
Life Expectancy Electrical	100,000 Operations(rated load)
Life Expectancy Mechanical	10,000,000 Operations(no load)

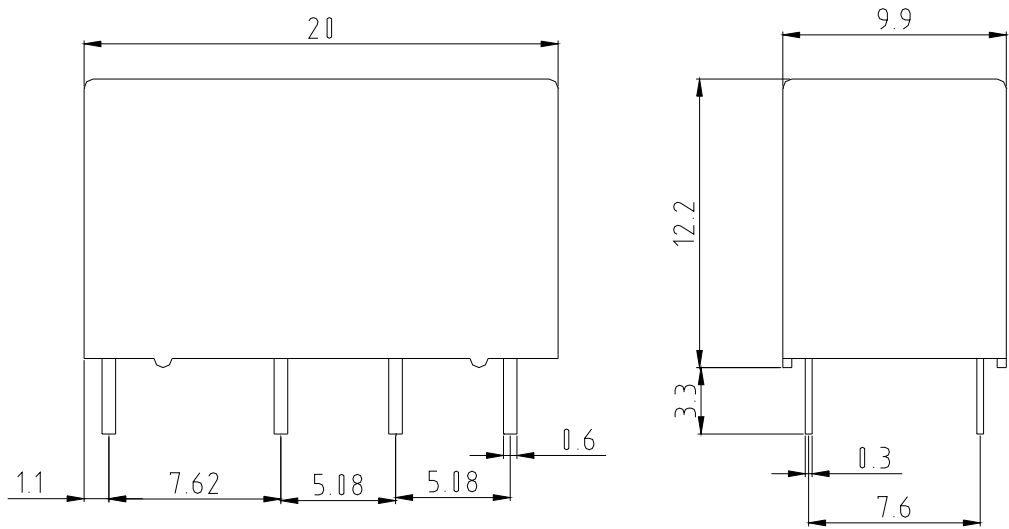
GENERAL DATA

Insulation Resistance	100M Ω Min at 500VDC
Dielectric Strength Between Open Contacts	500VAC 50-60HZ (1 minute)
Dielectric Strength Between Contacts And Coil	1000VAC 50-60HZ (1 minute)
Operate Time	6ms max
Release Time	4ms max
Ambient Temperature	-30°C to +70°C
Shock Resistance	Malfunction
	Destruction
	10G
	15G
Vibration Resistance	10-55Hz,1.5mm double amplitude
Ambient humidity	40-85% RH
Weight	Approx 5g
Safety Standard	UL CE CQC

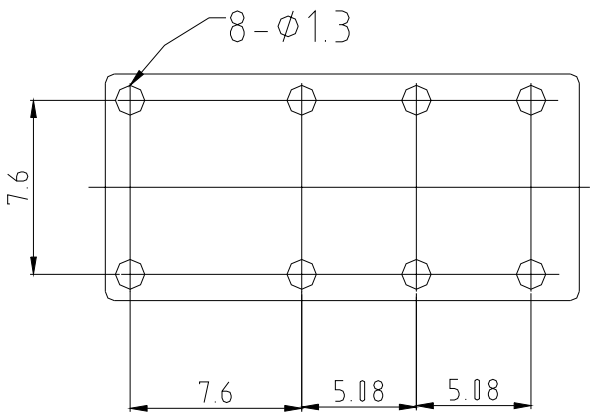
COIL DATA

Rated Voltage (VDC)	Ω ($\pm 10\%$)				Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Max Applied Voltage (VDC)
	0.15W	0.2W	0.36W	0.45W			
3	60	45	25	20	2.25	0.15	3.9
5	167	125	70	50	3.75	0.25	6.5
6	240	180	100	80	4.5	0.3	7.8
9	540	405	225	180	6.75	0.45	11.7
12	960	720	400	320	9	0.6	15.6
24	38400	2800	1600	1280	18	1.2	31.2
48	-	11520	6400	5100	36	2.4	62.4

Outline Dimension (mm)

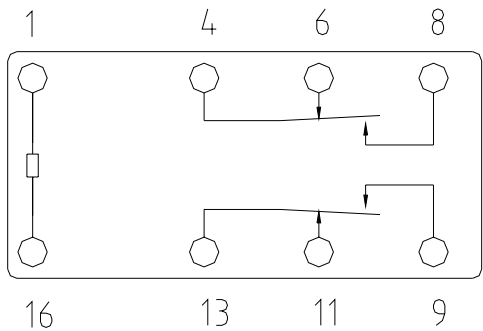


PC Board layout



(Bottom View)

Wiring Diagram



(Bottom View)