



Features

- Switching capacity 16A
- 20mm height
- PC board mounting
- UL/CUL certified

Contact Data*

Contact Arrangement	1A = SPST N.O. 1C = SPDT 2A = DPST N.O. 2C = DPDT	Contact Resistance	< 50 milliohms initial
Contact Rating	1A: 16A @ 250VAC; 30VDC, Resistive, 70°C 1C: 16A @ 250VAC; 30VDC, Resistive, 70°C 1AH: 16A @ 240VAC; 30VDC, Resistive 1CH: 16A @ 240VAC; 30VDC, Resistive 2A: 8A @ 250VAC; 5A @ 30VDC, Resistive, 70°C 2C: 8A @ 250VAC; 5A @ 30VDC, Resistive, 70°C	Contact Material	AgSnO ₂
		Maximum Switching Power	480W, 4000VA
		Maximum Switching Voltage	380VAC, 110VDC
		Maximum Switching Current	16A

Coil Data*

Coil Voltage VDC		Coil Resistance Ω +/- 10%		Pick Up Voltage VDC (max) 75% of rated voltage	Release Voltage VDC (min) 10% of rated voltage	Coil Power W	Operate Time ms	Release Time ms
Rated	Max	.53W	.72W					
3	3.9	17	13	2.25	.3	.53 .72	20	10
5	6.5	47	35	3.75	.5			
6	7.8	67	50	4.50	.6			
9	11.7	150	110	6.75	.9			
12	15.6	270	200	9.00	1.2			
24	31.2	1050	800	18.00	2.4			
48	57.6	4250	3200	36.00	4.8			

General Data*

Electrical Life @ rated load	100K cycles, average
Mechanical Life	10M cycles, average
Insulation Resistance	100M Ω min. @ 500VDC initial
Dielectric Strength, Coil to Contact	5000V rms min. @ sea level initial
Contact to Contact	1000V rms min. @ sea level initial
Shock Resistance	500m/s ² for 11 ms
Vibration Resistance	1.50mm double amplitude 10~40Hz
Operating Temperature	-55°C to +105°C
Storage Temperature	-55°C to +155°C
Solderability	260°C for 5 s
Weight	14g

* Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

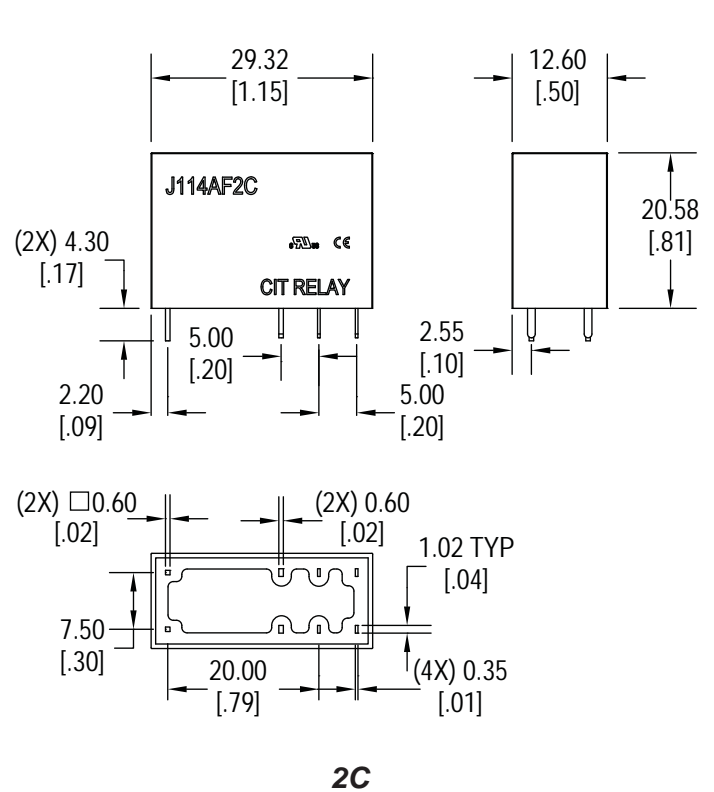
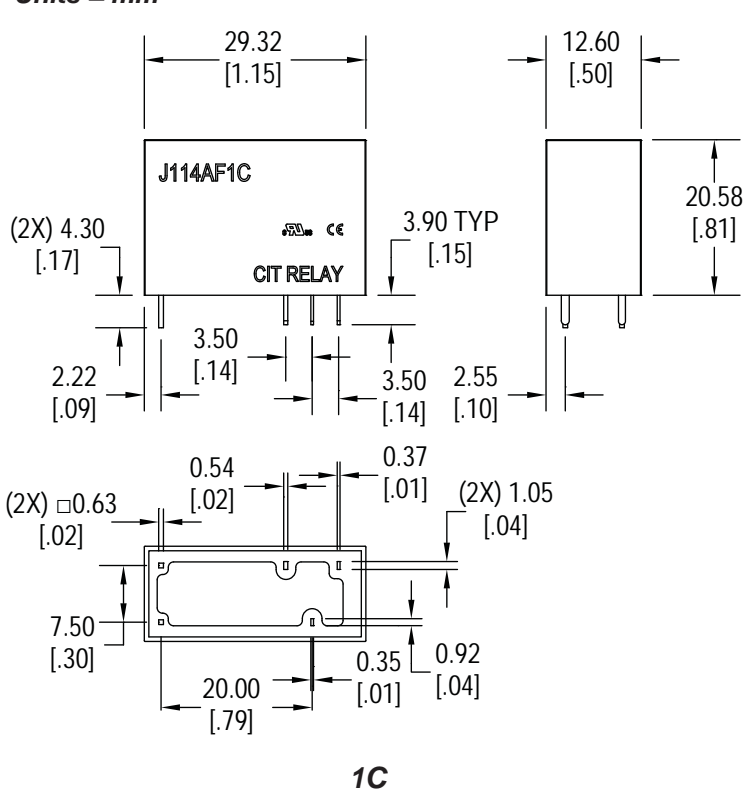
J114AF

Ordering Information

1. Series	J114AF	1C	S	12VDC	.53
J114AF					
2. Contact Arrangement	1A = SPST N.O. 1C = SPDT 1AH = SPST N.O. Alternate PC Layout 1CH = SPDT Alternate PC Layout 2A = DPST N.O. 2C = DPDT				
3. Sealing Option	S = Sealed				
4. Contact Voltage	3VDC 12VDC 5VDC 24VDC 6VDC 48VDC 9VDC				
5. Coil Power	.53 = .53W .72 = .72W				

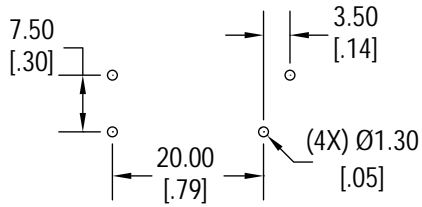
Dimensions

Units = mm

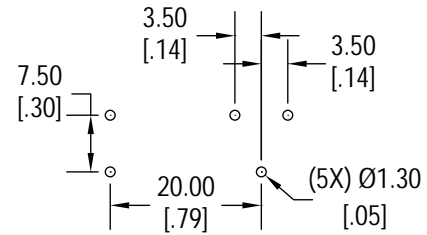
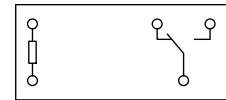


Schematics & PC Layouts

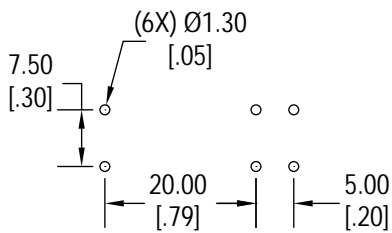
Bottom Views



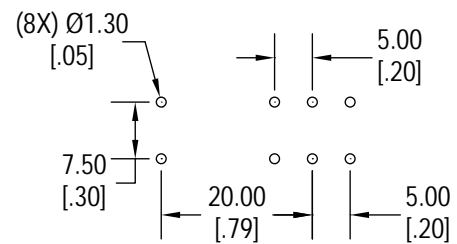
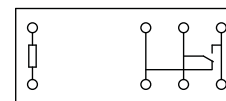
1A



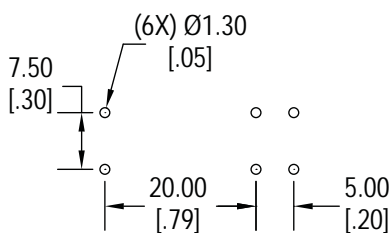
1C



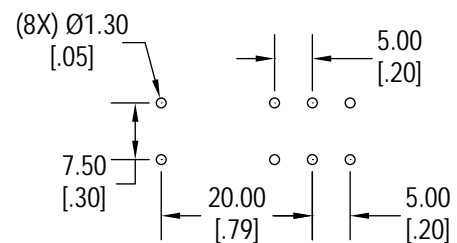
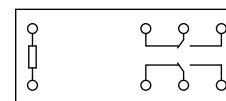
1AH



1CH



2A



2C