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Features

- Small size, light weight
- Low coil consumption
- Switching capacity up to 20 A
- PC board mounting
- Suitabe for household electrical appliances, automations systems, electrical equipment, instrument, meter telecommunication facilities and remote control facilities

Contact Data

Contact Arrangement		1A (SPSTNO) 1C (SPDT(B-M)) 2A (DPSTNO) 2C (DPDT (B-M))
Contact Material		AgNi $AgSnO_2$
Contact Rating (resistive)		1A, 1C : 10 A, 16 A / 250 VAC, 30 VDC (rushing current 80A) 2 A, 2 C (0.41 W) : 8 A / 250 VAC, 30 VDC 8A, 10 A / 277 VAC
Max. Switching Power		480 W 5600 VAC 2C : 2 x 150 W 2 x 1800 VA
Max. Switching Voltage		125VDC 440 VAC Max. Switching Current : 20 A
Contact Resistance		≤ 100 mΩ
Operational Life	**Electrical**	10^5
	Mechanical	10^7

General Purpose Relays

Part No.: **P12007**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	31.08.2015	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 7	

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Characteristics

Insulation resistance	1000 MΩ (at 500 VDC)	Item 7 of IEC 60255-5
Dielecdtric Strength		
Between contacts	50 Hz 1000 V	Item 6 of IEC 60255-5
Between contact and coil	50 Hz 5000 V	Item 6 of IEC 60255-5
Shock resistance	100 m/s^2 11 ms	IEC 68-2-27 Test Ea
Vibration resistance	10 ~ 55 Hz double amplitude 1.5 mm	IEC 68-2-6 Test Fc
Terminals strength	10N	IEC 68-2-21 Test Ua1
Solderability	235°C ± 2°C 3 ± 0.5 s	IEC 68-2-20 Test Ta
Ambient Temperature	-40°C~ 85°C	
Relative Humidity	85% (at 40°C)	IEC 68-2-3 Test Ca
Mass	11 g ~ 12g	

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Coil Parameter

Coil Voltage VDC Rated	Coil Voltage VDC Max.	Coil resistance Ω ± 10	Pick up voltage (70% or 60% of rated voltage)	Release voltage (5% or 10% of rated voltage)	Coil Power W	Operate Time ms	Release Time ms
5	6.5	100	3.5	0.5	0.25	≤ 10	≤ 5
6	7.8	144	4.2	0.6			
9	11.7	324	6.3	0.9			
12	15.6	576	8.4	1.2			
24	31.2	2304	16.8	2.4			
48	62.4	9216	33.6	4.8			
60	78.0	12857	42.0	6.0			
5	6.5	61	3.5	0.5	0.41	≤ 10	≤ 5
6	7.8	88	4.2	0.6			
9	11.7	198	6.3	0.9			
12	15.6	351	8.4	1.2			
24	31.2	1405	16.8	2.4			
48	62.4	5620	33.6	4.8			
60	78.0	7500 ± 15%	42	6			
110	143.0	25200 ± 15%	77	11			
5	6.5	34.7	3.5	0.5	0.72	≤ 10	≤ 5
6	7.8	50.0	4.2	0.6			
9	11.7	112.5	6.3	0.9			
12	15.6	200.0	8.4	1.2			
24	31.2	800.0	16.8	2.4			
48	62.4	3200	33.6	4.8			

Caution : 1. The use of any coil voltage less then the rated coil voltage will compromise the operation of the relay.
2. Pickup and release voltage are for test purposes only and are not be used design criteria.

General Purpose Relays

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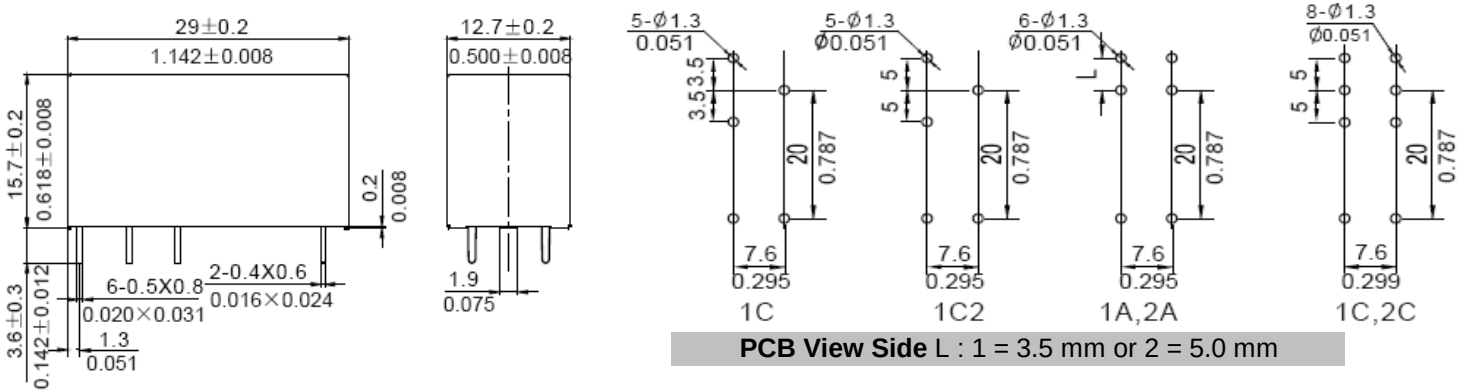
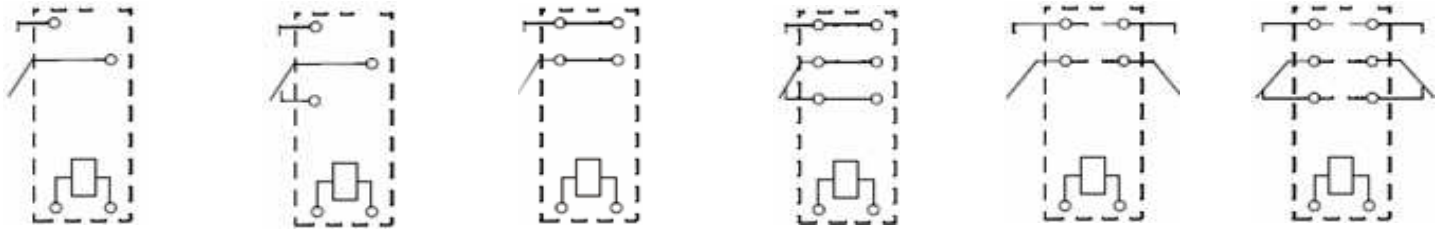
Technical Drawing



PCB View Side L : 1 = 3.5 mm or 2 = 5.0 mm



1A (10A) 1C (10A) 1A (16A) 1C (16A) 2A (8A) 2C (8A)

TOP View Side

General Purpose Relays

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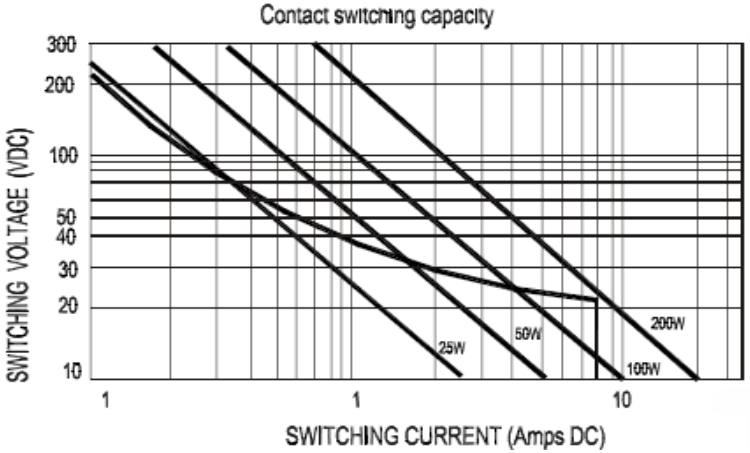
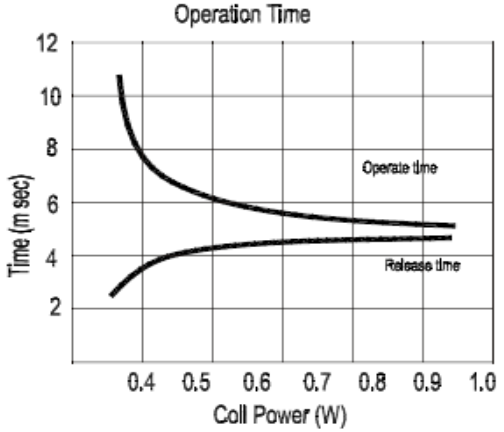
Reference Data





General Purpose Relays

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Ordering Informations

Serie	-	Coil rated voltage	Enclosure	Nominal	Pole-distance	Contact arrangement	Contact rating	Contact Material	RoHS	Packing
P12007	**-**	**005**	**1**	**A**	**1**	**A**	**1**	**A**	**R**	**TU**

EDCON -Serie	-	**005** = 5 V	**1** = Sealed Type	**A** = 0.25 W	**1** = 3.5 mm	**A** = 1A	**1** = 1A / 1C (10A)	**A** = AgNi	**N** = non RoHs	**TU** = Tube Packing
		006 = 6 V		**B** = 0.41 W		**B** = 1C		**B** = $AgSnO_2$		
		009 = 9 V	**2** = Dust cove	**C** = 0.72 W	**2** = 5.0 mm	**C** = 2A	**2** = 1A / 1C (16A)		**R** = RoHs	**TY** = Tray Package
		012 = 12 V				**D** = 2C				
		024 = 24 V					**3** = 2A / 2C (8A)			
		048 = 48 V								
		060 = 60 V								
		110 = 110 V								

General Purpose Relays

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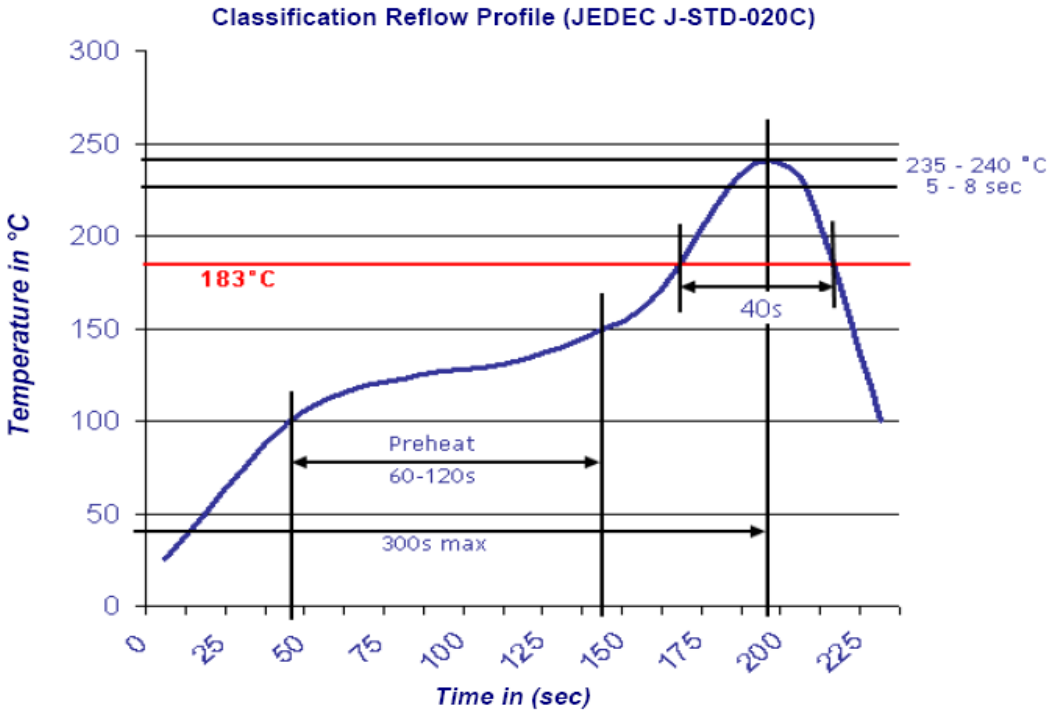
Solder Condition

Lead Free Solder



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