EDCON COMPONENTS
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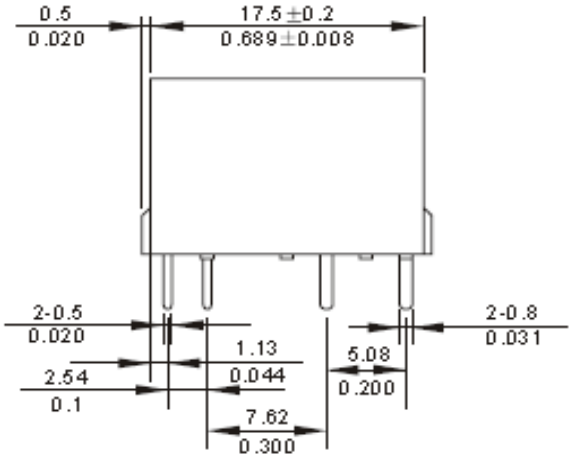
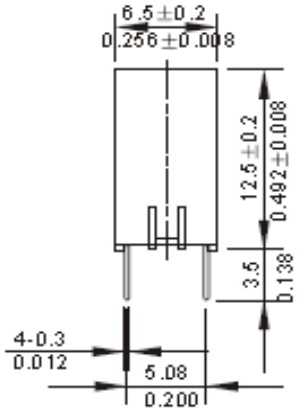
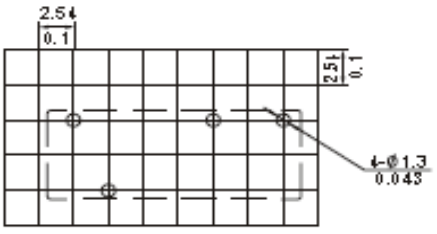
Features

- Small size , light weight
- PC board mounting
- Low Power consumption
- Application for Telecommunication Equipment, Office Equipment, Security Alarm System, Measuring instruments, Medical Monitoring Equipment, Audio Visual Equipment, Flight Simulator, Sensor Control

Technical Drawing







Mounting (Bottom view)

Wiring diagram
(Bottom view)

Contact Data

Contact Arrangement		1A (SPSTNO)	
Contact Material		Silver Alloy	
Contact Rating (resistive)		5A / 30VDC ; 250 VAC	
Max. Switching Power		150V / 1250VA	Min. Switching load : 0.01 mA / 5V
Max. Switching Voltage		30VDC 250 VAC	
Contact Resistance		≤ 100 mΩ	IEC 61810-7
Oper-ational	**Electrical**	$1x10^5$)	IEC 61810-7
Life	**Mechanical**	2x107	IEC 61810-7

Caution : Relays previously tested or used above 10 mA resistive at 6 VDC maximum or peak AC open ciricuit are not recommended for subsequent use in low level applications.

Standard Relay	
Part No.:	**P12005**
Customer:	

DRW:	Dong	CHKD	Chang		MATL:	Chui	DATE	01.11.2011
APPD:	Ping				FINISH	Hui	Sheet	1 from 4

Coil Parameter

Coil Voltage VDC Rated	Coil Voltage VDC Max.	Coil resistance Ω ± 10	Pick up voltage (70% of rated voltage)	Release voltage 10% of rated voltage)	Coil Power W	Operate Time ms	Release Time ms
5	6,5	125	3.5	0,5	0.20	Approx 10	Approx 5
12	15,6	720	8.4	1,2	0.20		
24	31,2	2880	16.8	2,4	0.20		

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.
3. Unless otherwise stated, the rated coil voltage specified in coil parameter table shall be used for all tests and ist application to the relay.

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Operating Condition

Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength		
Between contacts	50 Hz 750V	Item 6 of IEC 60255-5
Between contacts and coil	50 Hz 3000V surge Voltage 6KV	Item 6 and 8 of IEC 60255-5
Shock resistance	Functional : 100m/s² 11ms Survival : 1000m/m² 6ms	IEC 68-2-27 Test Ea
Vibration resistance	10~50Hz functional & survival double amplitude 1,5mm	IEC 68-2 Test Fc
Terminal Strength	5N	IEC 68-2-21 Test Ua1
Solderability	235℃ ± 2℃ 3 ± 0,5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	.- 25℃ ~ +70℃	
Relative Humidity	. 20% ~ 85% (at40℃)	IEC 68-2-3 Test Ca
Mass	3gr.	

Ordering Informations

Serie	-	Coil rated voltage	Enclosure	Nominal coil power	Contact material	RoHS	Packing
P12005	**-**	**005**	**1**	**B**	**3**	**R**	**TU**
EDCON-Serie	-	**005** = 5 V **012** = 12 V **024** = 24 V	**1** = Sealed Type	**B** = 0.20 W	**3** = AgSA	**R** = ROHS **N** = Non ROHS	**TU** = Tube Packing **TY** = Tray Package

Standard Relay	
Part No.:	**P12005**
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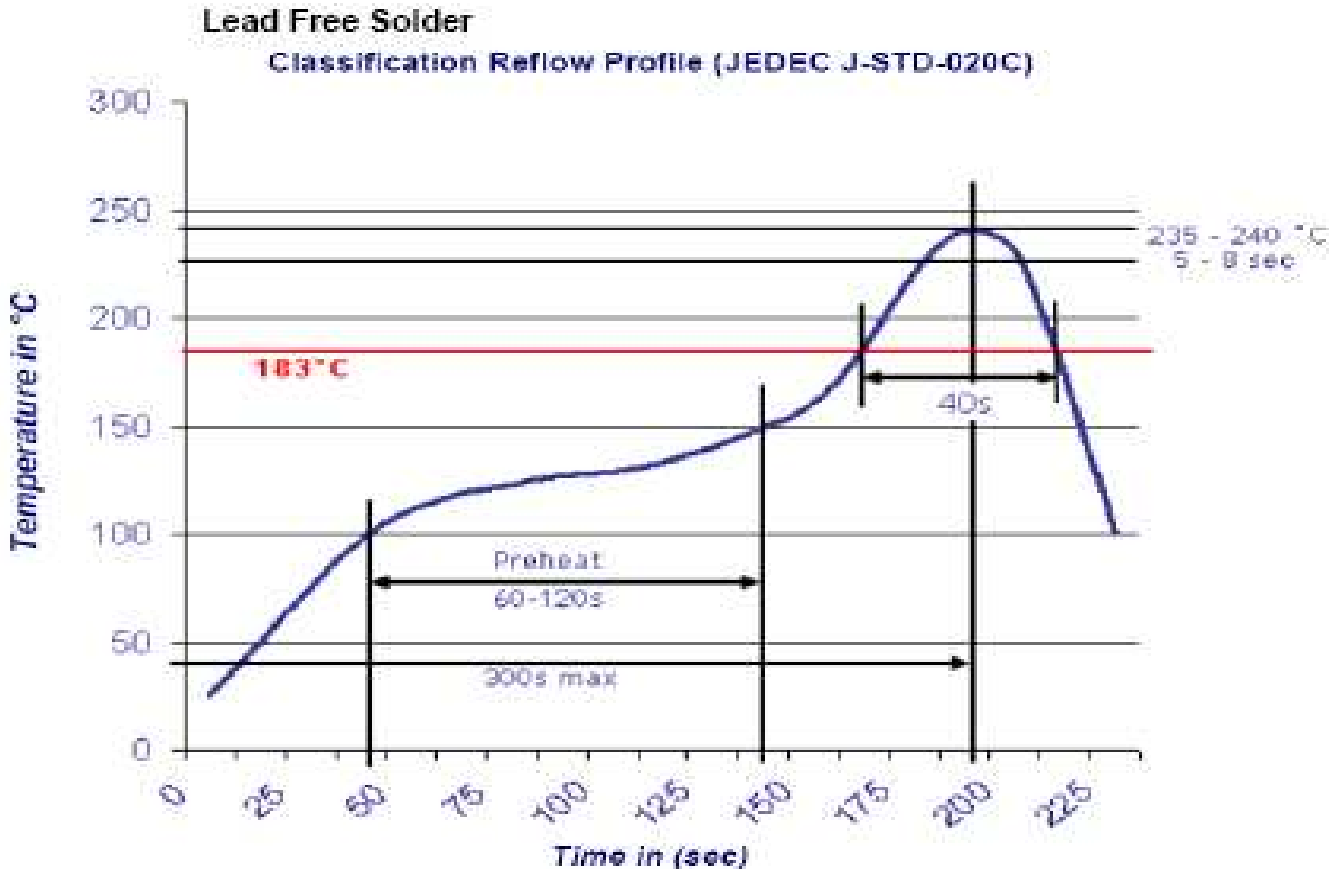
Curves



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Part No.:	P12005
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