

**POTRANS**

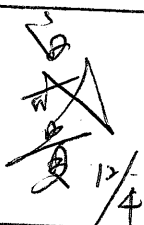

鴻運電子股份有限公司

# 承認通知書

# PASS

編號: SD-292

DATE: 9/12/3

VENDOR	PANJIT (隆茂)		VENDOR P/N	1N4001-1N4007 系列	
MODEL NUMBER	Common		POTRANS P/N	21XXXXXXXXXX	
DESCRIPTION	Diode DO-41				
測試結果	<input checked="" type="checkbox"/> 承認 <input type="checkbox"/> 暫承認, 限量交貨 _____ PCS				
備註	<input checked="" type="checkbox"/> 廠商交貨時, 須附出廠檢驗測試報告 <input type="checkbox"/> 廠商交貨時, 須隨貨附材質證明書 <input type="checkbox"/> 變更部份合格, 其餘部份請依原規格驗收				
零件測試及檢討: <u>補承認</u>					
<b>APPROVED SIGNATURES</b>					
採購		零件標準		產品開發	
主辦	主管	主辦	主管	主辦	主管
		 12/4			

# 承認書

## APPROVAL SHEET

TO CUSTOMER

(廠商名稱) 鴻運電子股份有限公司

CUSTOMER P.N.

(廠商料號) \_\_\_\_\_

PAN JIT'S P.N.

(強茂料號) 1N4001-1N4007 系列承認

DESCRIPTION

(零件描述) PLASTIC SILICON RECTIFIER 1A/50-1000V

APPLICATION

(使用機種) \_\_\_\_\_

APPROVER SIGNATURE

(承認簽章) \_\_\_\_\_



強茂股份有限公司

**PAN JIT INTERNATIONAL INC.**

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16F-1, No258, Lien Chen Road, Chung Ho City, Taipei Hsien 235, Taiwan, R.O.C.

# 1N4001 THRU 1N4007

## PLASTIC SILICON RECTIFIER

VOLTAGE - 50 to 1000 Volts CURRENT - 1.0 Ampere

### FEATURES

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability
- Exceeds environmental standards of MIL-S-19500/228

### MECHANICAL DATA

Case: Molded plastic, DO-41

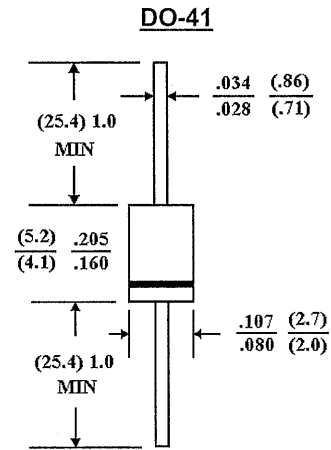
Epoxy: UL 94V-O rate flame retardant

Lead: Axial leads, solderable per MIL-STD-202, method 208 guaranteed

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.012 ounce, 0.3 gram



Dimensions in inches and (millimeters)

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

	1N4001	1N4002	1N4003	1N4004	1N4005	1N4006	1N4007	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	35	75	140	280	420	560	700	V
Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375"(9.5mm) Lead Length at T <sub>A</sub> =75 °C	1.0							A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	30							A
Maximum Forward Voltage at 1.0A DC and 25 °C	1.1							V
Maximum Full Load Reverse Current Full Cycle Average at 75 °C Ambient	30							μ A
Maximum Reverse Current at T <sub>A</sub> =25 °C	5.0							μ A
At Rated DC Blocking Voltage T <sub>A</sub> =100 °C	500							μ A
Typical Junction capacitance (Note 1)	15							pF
Typical Thermal Resistance (Note 2) R θ JA	50							°C/W
Typical Thermal resistance (NOTE 2) R θ JL	25							°C/W
Operating and Storage Temperature Range T <sub>J</sub> , T <sub>STG</sub>	-55 to +150							°C

#### NOTES:

1. Measured at 1 MHz and applied reverse voltage of 4.0 VDC.
2. Thermal Resistance Junction to Ambient and from junction to lead at 0.375"(9.5mm) lead length P.C.B mounted.

RATING AND CHARACTERISTIC CURVES  
1N4001 THRU 1N4007

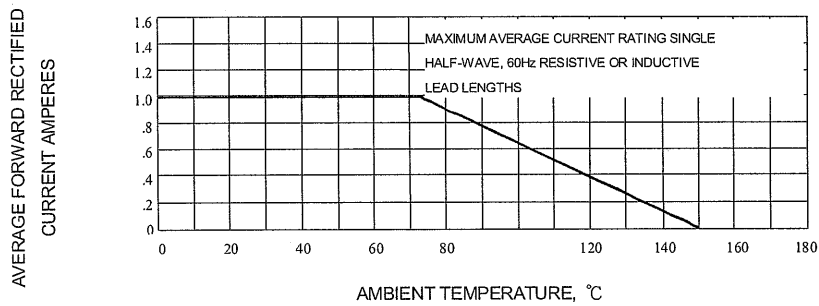


Fig. 1-TYPICAL FORWARD CURRENT DERATING CURVE

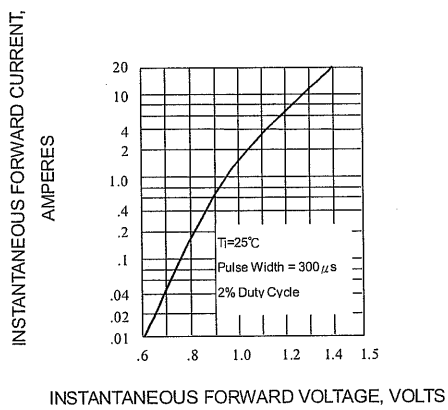


Fig. 2-TYPICAL FORWARD CHARACTERISTICS

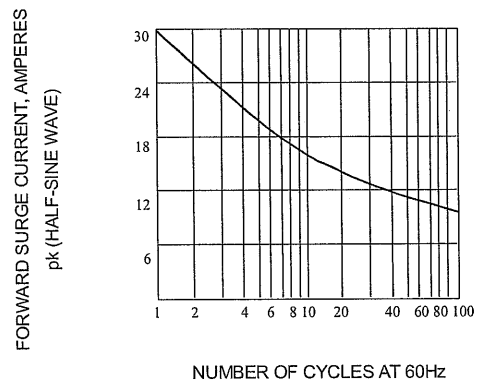


Fig. 3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

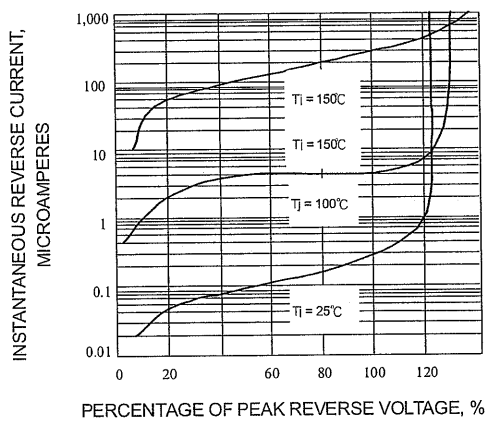


Fig. 4-TYPICAL REVERSE CHARACTERISTICS

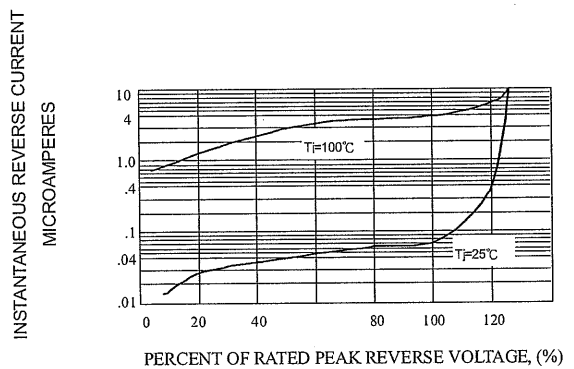


Fig. 5-TYPICAL REVERSE CHARACTERISTICS