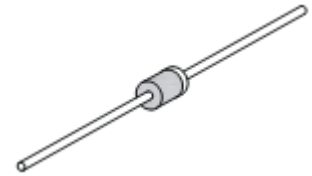


## 1.5A Standard Rectifiers

### Features

- Low forward voltage drop
- Low leakage current
- High forward surge current capability
- High temperature soldering guaranteed: 265°C/10 seconds  
/.037" (9.5mm) lead length, 5lbs (2.3kg) tension
- RoHS compliance



**DO-204AL  
(DO-41)**



### Mechanical Data

<b>Case:</b>	molded epoxy body
<b>Epoxy:</b>	Meets UL 94V-0 flammability rating
<b>Terminals:</b>	Axial leads, solderable per MIL-STD-202, Method 208 guaranteed
<b>Polarity:</b>	Cathode indicated by color band
<b>Mounting Position:</b>	Any
<b>Weight:</b>	0.014 ounce, 0.40 gram

### Maximum Ratings and Electrical Characteristics ( $T_A=25^\circ\text{C}$ unless noted otherwise)

Symbol	Description	1N5391 J05	1N5392 J1	1N5393 J2	1N5395 J4	1N5397 J6	1N5398 J8	1N5399 J10	Unit	Conditions
	Marking Code	J05	J1	J2	J4	J6	J8	J10		
<b>V<sub>RRM</sub></b>	Maximum Repetitive Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
<b>V<sub>RMS</sub></b>	Maximum RMS Voltage	35	70	140	280	420	560	700	V	
<b>V<sub>DC</sub></b>	Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V	
<b>I<sub>F(AV)</sub></b>	Maximum Average Forward Rectified Current	1.5							A	0.375" (9.5 mm) lead length at $T_A=75^\circ\text{C}$
<b>I<sub>FSM</sub></b>	Peak Forward Surge Current	60							A	8.3ms single half sine-wave superimposed on rated load (JEDEC Method)

# 1.5A Standard Rectifiers

## 1N5391J05-1N5399J10

Symbol	Description	1N5391 J05	1N5392 J1	1N5393 J2	1N5395 J4	1N5397 J6	1N5398 J8	1N5399 J10	Unit	Conditions
<b>V<sub>F</sub></b>	Maximum Instantaneous Forward Voltage	1.0							V	IF=1.5A
<b>I<sub>R</sub></b>	Maximum DC Reverse Current at Rated DC Blocking Voltage	5.0							μA	TA=25° C
		50								TA=125° C
<b>C<sub>J</sub></b>	Typical Junction Capacitance	15							pF	VR=4V, f=1MHz
<b>R<sub>thJA</sub></b>	Max. Thermal Resistance	50							°C / W	Note 1
<b>T<sub>J</sub>, T<sub>STG</sub></b>	Operating Junction Range	-50 to +125							°C	
<b>T<sub>STG</sub></b>	Storage Temperature Range	-50 to +150							°C	

**Note:** 1. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length.

### Typical Characteristics Curves

Fig.1- Forward Current Derating Curve

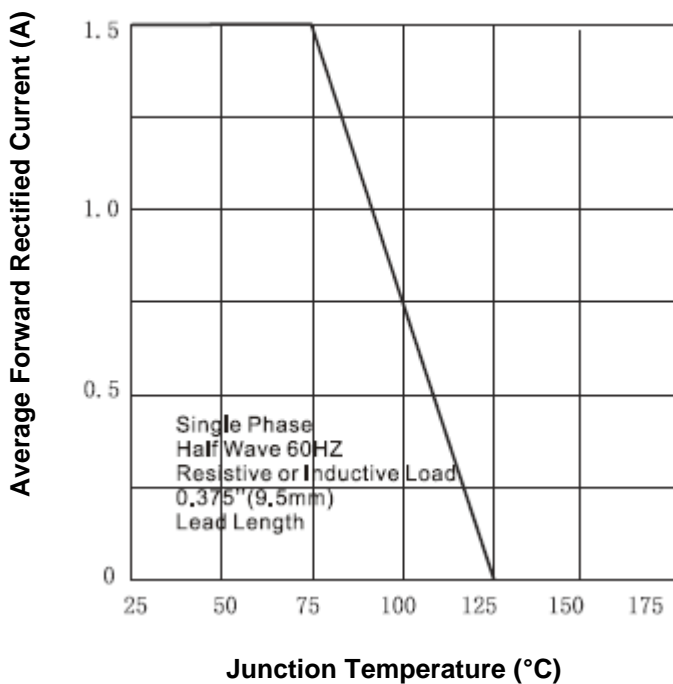
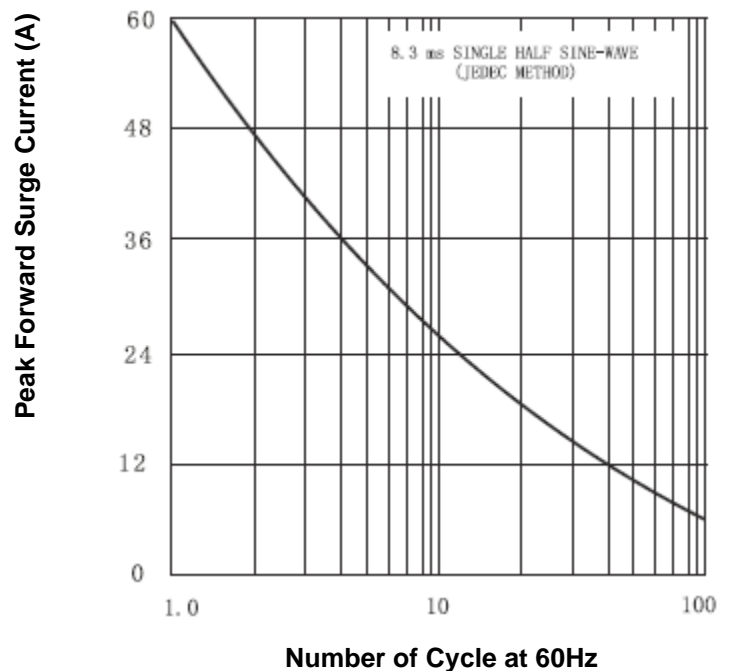


Fig.2-Max. Non-repetitive Peak Forward Surge Current



# 1.5A Standard Rectifiers

## 1N5391J05-1N5399J10

Fig.3-Typical Instantaneous Forward Characteristic

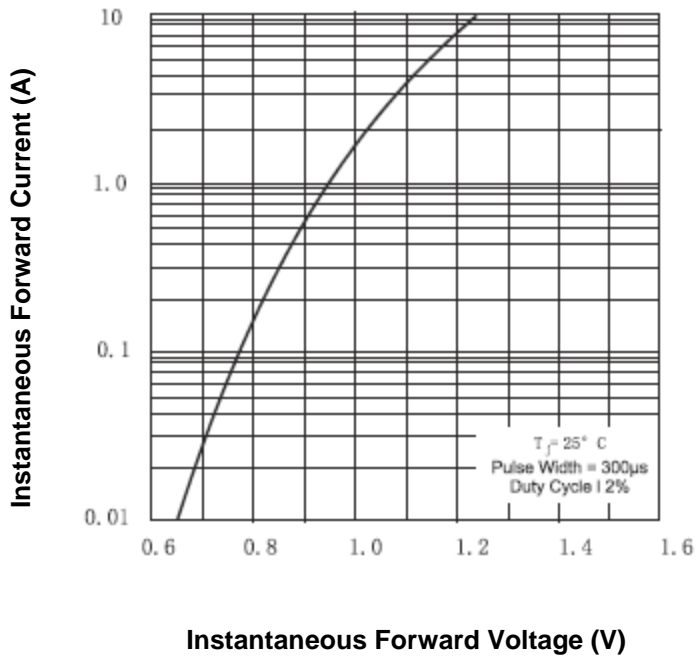


Fig.4-Typical Reverse Characteristics

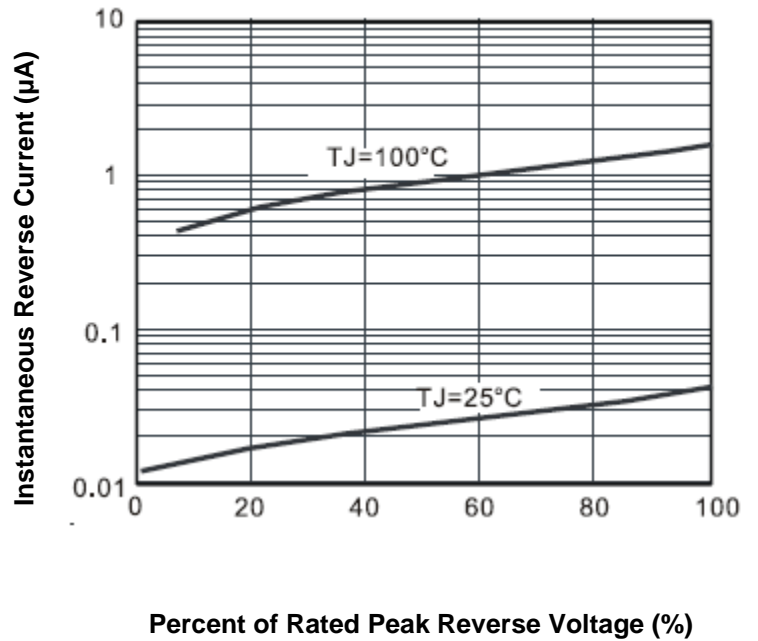
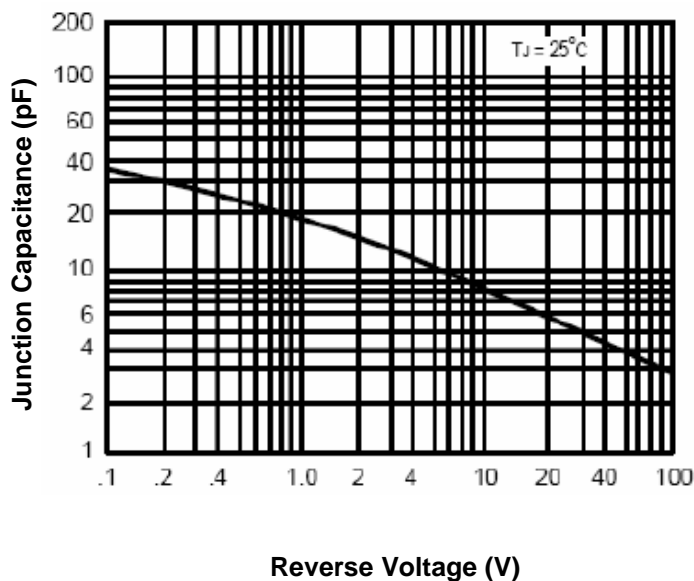


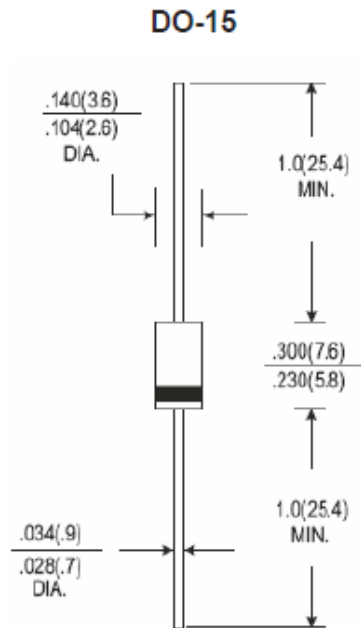
Fig.5-Typical Junction Capacitance



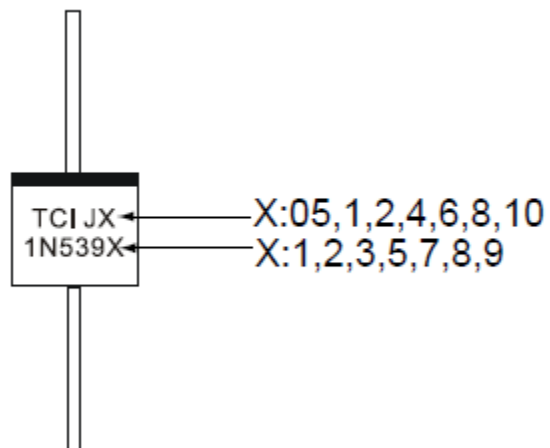
# 1.5A Standard Rectifiers

## 1N5391J05-1N5399J10

### Dimensions in inch (mm)



### Marking Information

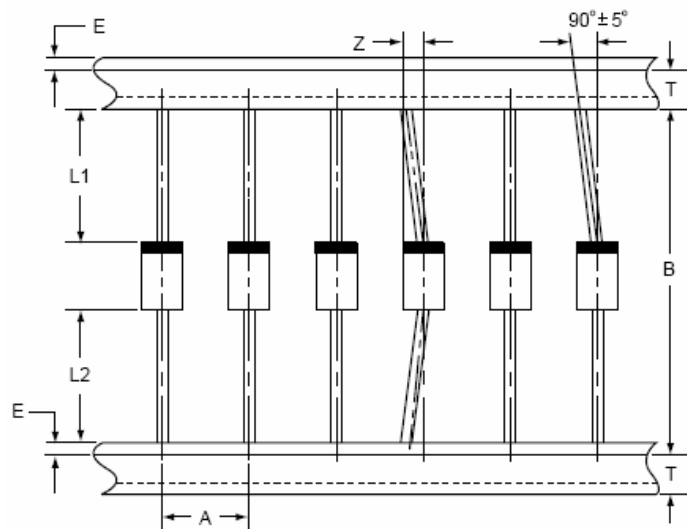


# 1.5A Standard Rectifiers

## 1N5391J05-1N5399J10

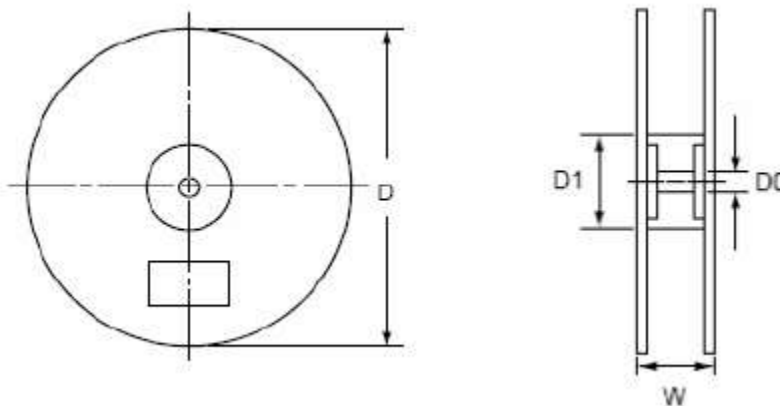
### Packing Information:

### Carrier Tape Dimensions (in mm)



Outline	A	B	L1- L2	T	E	Z
DO-15	5.0±0.5	52.4±1.5	Max. 1.0	6.0±0.4	Max. 0.8	Max. 1.2

### Reel Dimensions (in mm)



D	D0	D1	W
330.0±2.0	30±0.4	58.7±0.3	79.0±1.0

# 1.5A Standard Rectifiers

## 1N5391J05-1N5399J10

### Packing Quantity Information:

Quantity	PCS per	PCS per Carton
Tape & Reel	4,000 / Reel	16,000
Bulk	500 / Box	25,000

### Carton Size Information:

Item	Carton Size
Tape & Reel	350X350X350 ( in mm)

### How to contact us

<p style="text-align: center;"><b>USA HEADQUARTERS</b> 28040 WEST HARRISON PARKWAY, VALENCIA, CA 91355-4162 Tel: (800)-TAITRON (800)-824-8766 (661)-257-6060 Fax: (800)-TAITFAX (800)-824-8329 (661)-257-6415 Email: <a href="mailto:taitron@taitroncomponents.com">taitron@taitroncomponents.com</a> Http://<a href="http://www.taitroncomponents.com">www.taitroncomponents.com</a></p> <p style="text-align: center;"><b>TAITRON COMPONENTS INCORPORATED TAIWAN BRANCH</b> 6F., NO.190, SEC. 2, ZHONGXING RD., XINDIAN DIST., NEW TAIPEI CITY 23146, TAIWAN R.O.C. Tel: 886-2-2913-6238 Fax: 886-2-2913-6239</p> <p style="text-align: center;"><b>TAITRON COMPONENT TECHNOLOG SHANGHAI CORPORATION</b> SUITE 1503, METROBANK PLAZA, 1160 WEST YAN'AN ROAD, SHANGHAI, 200052, CHINA Tel: +86-21-5424-9942 Fax: +86-21-2302-5027</p>
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