



Micro Commercial Components



Micro Commercial Components  
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**1N5221  
 THRU  
 1N5267**

## Features

- Wide Voltage Range Available
- Glass Package
- High Temp Soldering: 260°C for 10 Seconds At Terminals
- Marking : Cathode band and type number
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Moisture Sensitivity: Level 1

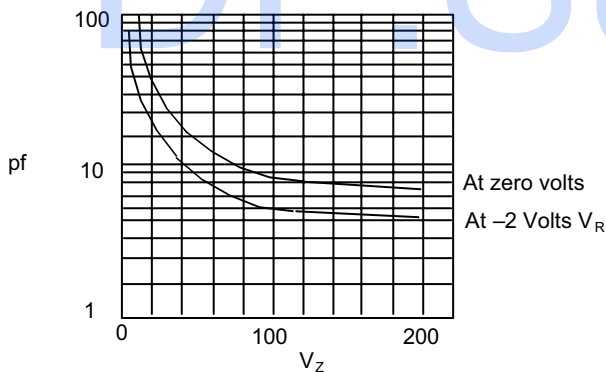
## Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- 500 mWatt DC Power Dissipation
- Power Derating: 4.0mW/°C above 50°C
- Forward Voltage @ 200mA: 1.1 Volts

**500 mW  
 Zener Diode  
 2.4 to 75 Volts**

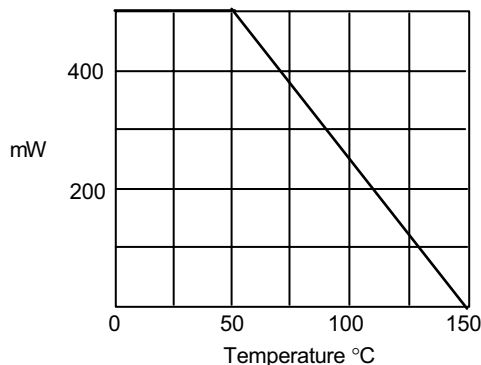
**DO-35**

Figure 1 - Typical Capacitance

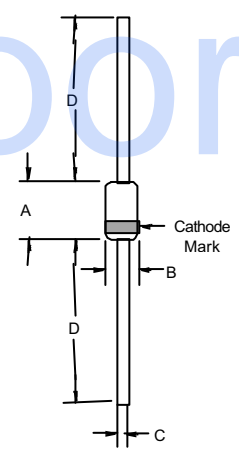


Typical Capacitance (pf) – versus – Zener voltage ( $V_z$ )

Figure 2 - Derating Curve



Power Dissipation (mW) - Versus - Temperature °C



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	---	.166	---	4.2	
B	---	.079	---	2.00	
C	---	.020	---	.52	
D	1.000	---	25.40	---	

Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 5.



### 1N5221 thru 1N5267

Figure 1  
Zener Voltage versus Zener Current –  $V_z = 1$  thru 16 Volts



Figure 2  
Zener Voltage versus Zener Current –  $V_z = 15$  thru 30 Volts



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Figure 3  
Zener Voltage versus Zener Current –  $V_z = 30$  thru 75 Volts



Figure 4  
Thermal resistance from junction to ambient as a function of pulse duration





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### Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel
Part Number-AP	Ammo Packing: 5Kpcs/Ammo Box
Part Number-BP	Bulk: 100Kpcs/Carton

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