

T-03-09

GENERAL PURPOSE DIODES

1N625
1N626 • 1N627
1N628 • 1N629

ABSOLUTE MAXIMUM RATINGS

- V_F 1.5 V @ 4.0 mA
- I_R 1.0 μ A @ WIV

Temperatures

Storage Temperature Range

-65 °C to +200 °C

Maximum Junction Operating Temperature

175 °C

Lead Temperature

260 °C

Power Dissipation

Maximum Total Power Dissipation at 25 °C Ambient

500 mW

Linear Power Derating Factor (from 25 °C)

3.33 mW/ °C

Maximum Voltage and Currents

WIV Working Inverse Voltage

1N625 20V

1N626 35V

1N627 75V

1N628 125V

1N629 175V

 I_o Average Rectified Current

175 mA

175 mA

175 mA

175 mA

175 mA

 I_F Forward Current Steady State

400 mA

400 mA

400 mA

400 mA

400 mA

 I_F (surge) Peak Forward Surge CurrentPulse Width = 1.0 μ s

4.0 A

4.0 A

4.0 A

4.0 A

4.0 A

Pulse Width = 1.0 s

1.0A

1.0A

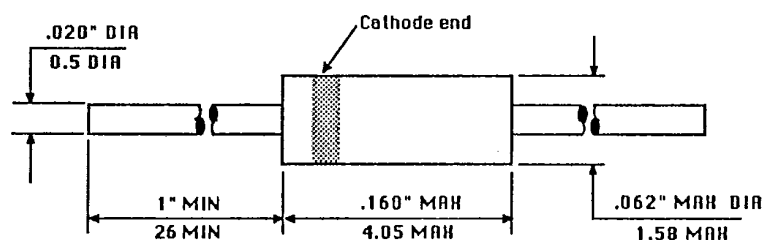
1.0A

1.0A

1.0A

ELECTRICAL CHARACTERISTICS (25 °C Ambient Temperature unless otherwise noted)

SYMBOL	CHARACTERISTIC	MIN	MAX	UNITS	TEST CONDITIONS
V_F	Forward Voltage		1.5	V	$I_F = 4.0$ mA
I_R	Reverse Current	1N482B - 1N485B	1.0 30	μ A μ A	$V_R =$ Rated WIV $V_R =$ Rated WIV, $T_A = 100$ °C
B_V	Breakdown Voltage	1N625 1N626 1N627 1N628 1N629	30 50 100 150 200	V V V V V	$I_R = 100\mu$ A $I_R = 100\mu$ A $I_R = 100\mu$ A $I_R = 100\mu$ A $I_R = 100\mu$ A
T_{RR}	Reverse Recovery Time		1.0	μ s	$I_F = 30$ mA, $V_R = 35$ V, Recovery to 400 k Ω

**DO-35 PACKAGE**

6 Lake Street

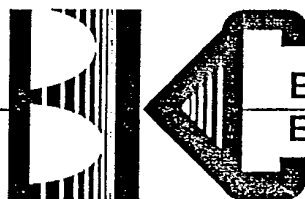
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