

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  $\mu$ A @ WIV

### Temperatures

Storage Temperature Range	-65 °C to +200 °C
Maximum Junction Operating Temperature	175 °C
Lead Temperature	260 °C

### Power Dissipation

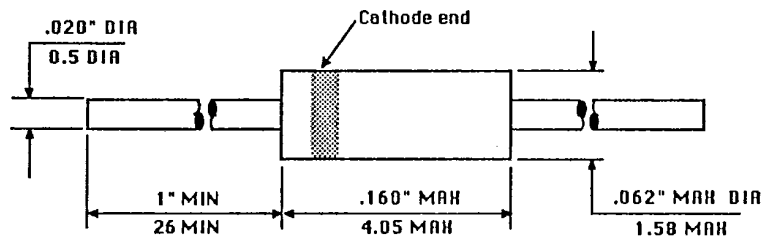
Maximum Total Power Dissipation at 25 °C Ambient	500 mW
Linear Power Derating Factor (from 25 °C)	3.33 mW/ °C

### Maximum Voltage and Currents

	1N625	1N626	1N627	1N628	1N629
WIV Working Inverse Voltage	20V	35V	75V	125V	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 Current					
Pulse Width = 1.0 $\mu$ 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

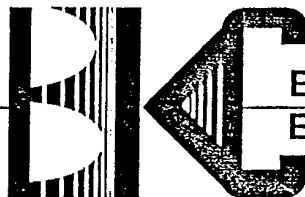
## ELECTRICAL CHARACTERISTICS (25 °C Ambient Temperature unless otherwise noted)

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	$\mu$ A $\mu$ A	$V_R =$ Rated WIV $V_R =$ Rated WIV, $T_A = 100$ °C
$B_V$	Breakdown Voltage				
	1N625	30		V	$I_R = 100\mu$ A
	1N626	50		V	$I_R = 100\mu$ A
	1N627	100		V	$I_R = 100\mu$ A
	1N628	150		V	$I_R = 100\mu$ A
	1N629	200		V	$I_R = 100\mu$ A
$T_{RR}$	Reverse Recovery Time		1.0	$\mu$ s	$I_F = 30$ mA, $V_R = 35$ V, Recovery to 400 k $\Omega$



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