

# Zeners 1N5234C

Zeners (1N5234C)

## Absolute Maximum Ratings\*

$T_A = 25^\circ\text{C}$  unless otherwise noted

Symbol	Parameter	Value	Units
$P_D$	Power Dissipation	500	mW
	Derate above $75^\circ\text{C}$	4.0	mW/ $^\circ\text{C}$
$T_{STG}$	Storage Temperature Range	-65 to +200	$^\circ\text{C}$
$T_J$	Maximum Junction Operating Temperature	+ 200	$^\circ\text{C}$
	Lead Temperature (1/16" from case for 10 seconds)	+ 230	$^\circ\text{C}$
	Surge Power**	10	W

Tolerance: C = 2%



\*These ratings are limiting values above which the serviceability of the diode may be impaired.

\*\*Non-recurrent square wave PW= 8.3 ms, TA= 50 degrees C.

### NOTES:

- 1) These ratings are based on a maximum junction temperature of 200 degrees C.
- 2) These are steady state limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.

## Electrical Characteristics

$T_A = 25^\circ\text{C}$  unless otherwise noted

Symbol	Parameter	Test Conditions	Min.	Max.	Units
$V_Z$	Zener Voltage	$I_Z = 20\text{mA}$	6.08	6.32	V
$Z_Z$	Zener Impedance	$I_Z = 20\text{mA}$		7.0	$\Omega$
$Z_{ZK}$	Zener Knee Impedance	$I_{ZK} = 0.25\text{mA}$		1.0k	$\Omega$
$I_R$	Reverse Current	$V_R = 4.0\text{V}$		5.0	$\mu\text{A}$
$V_F$	Forward Voltage	$I_F = 0.2\text{A}$		1.1	V

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