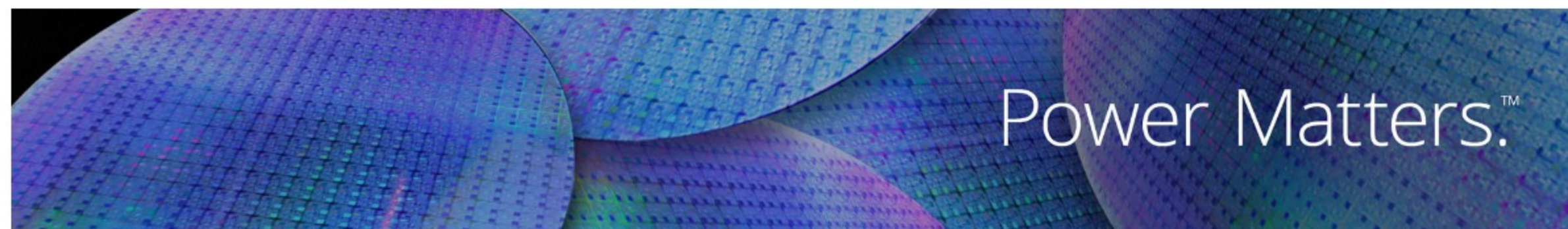


## POWER DISCRETES & MODULES

- ▶ Voltage & Current Regulation Diodes
  - Current Regulator Diodes
  - ▶ Zener Diodes
    - Low Voltage Avalanche Zener
    - Temperature Compensated Zener (TCZ)
    - **Zener Voltage Regulator Diodes**
- ▶ Small Signal Diodes and Diode Arrays
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## JANTX1N973B-1 (#52361)

### Product Status

■ In Production

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The popular 1N957B-1 through 1N992B-1 series of 0.5 watt Zener voltage regulators provides a selection from 6.8 to 200 volts in a standard 5%, 2% and 1% tolerance versions. These axial-leaded glass DO-35 Zeners feature an internal metallurgical bond and are available in military qualified and commercial RoHS compliant versions. Military qualified versions are available on the 1N962B-1 through 1N992B-1 range of part numbers.

**Package Carrier:** ESD Bag

Electrical Rating	Symbol	Min	Typ	Max	Unit
Dynamic Impedance	$Z_x$			58	$\Omega$
Reference Current, RMS Component	$I_{zt}$			3.8	mA
Reference Impedance (Small-Signal, at $I_{ZK}$ )	$Z_{zk}$			1000	$\Omega$
Regulator Current, DC Maximum Rated	$I_{ZM}$			12	mA
Regulator voltage, reference voltage (dc)	$V_Z$			33	V
Reverse Breakdown Voltage	$V_{BR}$			25	V
Reverse Current ( $\mu$ A)	$I_R$			0.5	$\mu$ A
Surge Peak Transient Current (ma)	$I_S$			197	mA

Maximum Electrical Rating	Symbol	Min	Typ	Max	Unit
Forward Voltage (mV)	$V_F$			1100	mV
Junction Temperature ( $^{\circ}$ C)	$T_J$	-65		175	$^{\circ}$ C
Power Dissipation	$P_D$			0.4	W
Thermal Resistance, Junction to Ambient ( $^{\circ}$ C/W)	$R_{\theta JA}$			300	$^{\circ}$ C/W
Thermal Resistance, Junction to Lead ( $^{\circ}$ C/W)	$R_{\theta JL}$			250	$^{\circ}$ C/W

Alphanumeric Parameter	Value
Quality Level	JANTX

This part can be found in the following product categories:

- [Power Discrettes & Modules](#) ▶ [Voltage & Current Regulation Diodes](#) ▶ [Zener Diodes](#) ▶ [Zener Voltage Regulator Diodes](#)
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