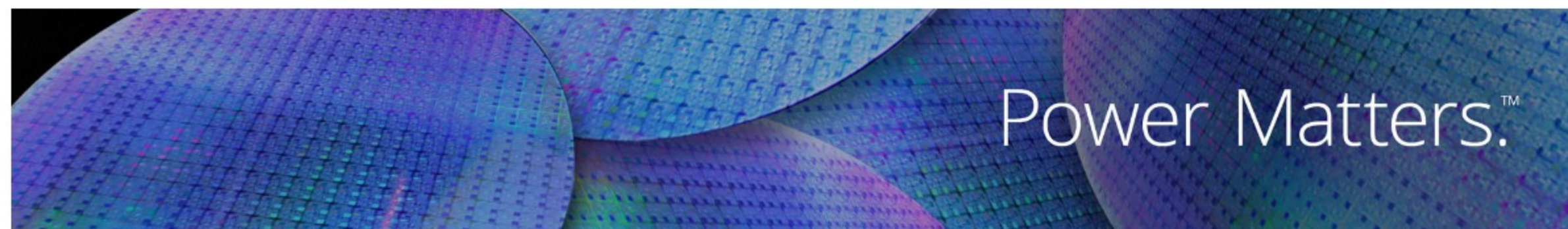


POWER DISCRETES & MODULES

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 - Current Regulator Diodes
 - ▶ Zener Diodes
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 - Temperature Compensated Zener (TCZ)
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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	Ω
Reference Current, RMS Component	I_{zt}			3.8	mA
Reference Impedance (Small-Signal, at I_{ZK})	Z_{zk}			1000	Ω
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 (μ A)	I_R			0.5	μ 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:

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