

RoHS
Compliant



Features

- High reliability.
- Very sharp reverse characteristic.
- Low reverse current level.
- Vz-tolerance $\pm 5\%$.

Application

Voltage stabilization.

Absolute Maximum Ratings $T_J = 25^\circ\text{C}$

Parameter	Test Conditions	Symbol	Value	Unit
Power Dissipation	$T_{amb} \leq 50^\circ\text{C}$	P_v	1.5	mW
Z-Current	-	I_z	P_v / V_z	mA
Junction Temperature	-	T_J	150	°C
Storage Temperature Range	-	T_{STG}	-65 to +175	

Stresses exceeding maximum ratings may damage the device. Maximum ratings are stress ratings only. Functional operation above the recommended operating conditions is not implied. Extended exposure to stresses above the recommended operating conditions may affect device reliability.

Electrical Characteristics $T_J = 25^\circ\text{C}$

Parameter	Test Conditions	Symbol	Maximum	Unit
Forward Voltage	$I_F = 200\text{mA}$	V_F	1.5	V

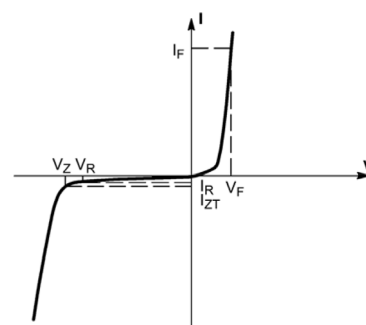
Specification Table

$V_{Znom}^{1)}$	I_{ZT}	for	r_{zjT}	r_{zjK}	at	I_{ZK}	I_R	at	V_R	Part Number
V	mA		Ω	Ω		mA	μA		V	
15	25		< 9	< 600		0.25	< 0.5		11.4	1N5929B

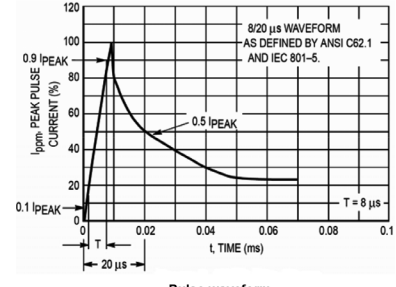
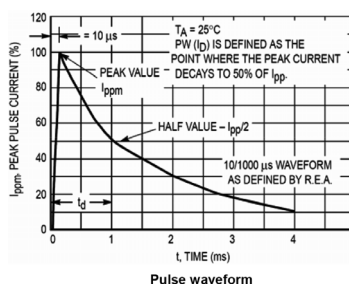
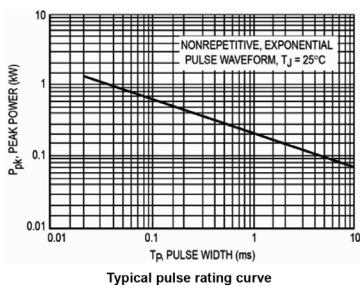
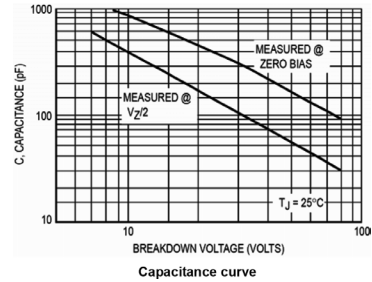
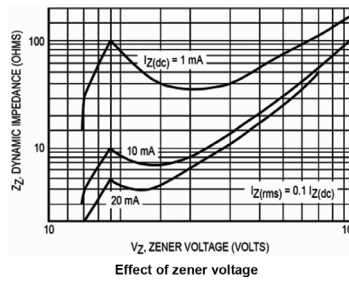
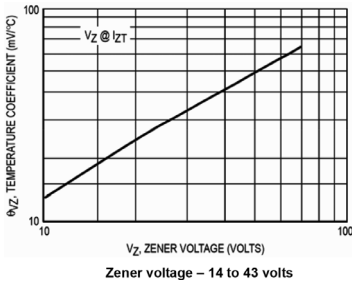
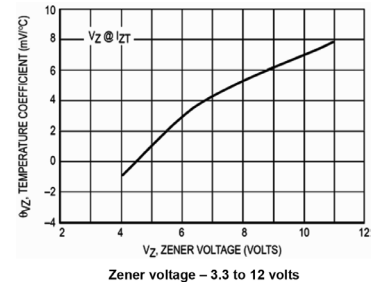
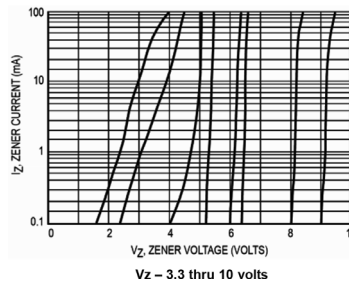
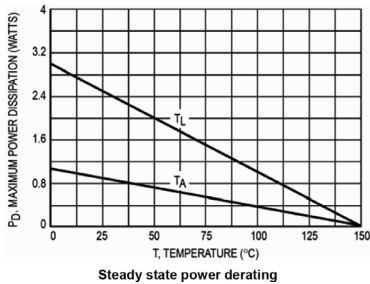
¹⁾ Based on DC - measurement at thermal equilibrium while maintaining the lead temperature (T_L) at 30°C , 9.5mm (0.38") from the diode body

Characteristics ($T_J = 25^\circ\text{C}$ unless otherwise specified)

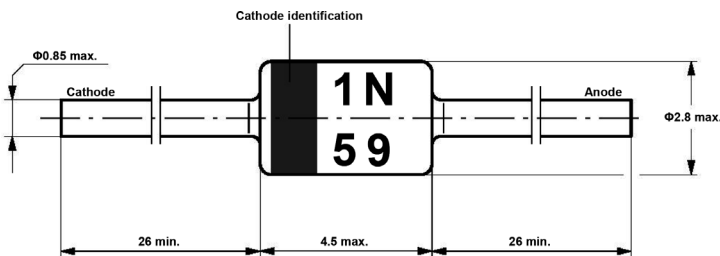
Symbol	Parameter
V_Z	Reverse zener voltage @ I_{ZT}
I_{ZT}	Reverse current
Z_{ZT}	Maximum zener impedance @ I_{ZT}
I_{ZK}	Reverse current
Z_{ZK}	Maximum zener impedance @ I_{ZK}
I_R	Reverse leakage current @ V_R
V_R	Breakdown voltage
I_F	Forward current
V_F	Forward voltage @ I_F



Zener voltage regulator



Dimensions



Standard Glass Case
JEDEC DO-204AL

Dimensions : Millimetres

Part Number Table

Description	Part Number
Zener Single Diode, 15V, 3W, DO-204AL, 5%, 2 Pins	1N5929B

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