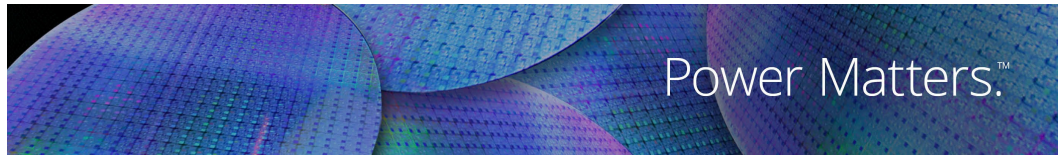


**PRODUCTS**

- ▶ [Product Directory](#)
- ▶ [Applications](#)
- ▶ [Parametric Search](#)



[Home](#) / [Power Discretes & Modules](#) / [Diodes](#) / [Zener](#) / [Zener Voltage Regulator Diode](#) / [JANS1N4124-1 \(#57218\)](#)

## JANS1N4124-1 (#57218)

**Product Status**
■ In Production

[Overview](#)    [Resources](#)    [Diagrams](#)    [How to Buy](#)    [Related Links](#)

The 1N4099-1 through 1N4135-1 and 1N4614-1 through 1N4627-1 series are 500 mW, Zener voltage regulators in the axial-leaded, glass DO-35 package. Voltages from 1.8 to 100V in 5%, 2%, and 1% tolerances are available. They are constructed with an internal metallurgical bond and are mil-qualified up to the JANS level for high reliability applications.

Electrical Rating	Symbol	Min	Typ	Max	Unit
Reference Current, RMS Component	$I_{ZT}$			0.25	mA
Regulator Current, DC Maximum Rated	$I_{ZM}$			8.90	mA
Regulator voltage, reference voltage (dc)	$V_Z$			43.00	V
Reverse Current ( $\mu$ A)	$I_R$			0.01	$\mu$ A
Reverse Voltage	$V_R$			32.65	V

Maximum Electrical Rating	Symbol	Min	Typ	Max	Unit
Forward Voltage (mV)	$V_F$			1100.00	mV
Junction Temperature ( $^{\circ}$ C)	$T_J$	-65.00		175.00	$^{\circ}$ C
Operating and Storage Temperature ( $^{\circ}$ C)	$T_{STG}/T_{\phi}$	-65.00		175.00	$^{\circ}$ C
Power Dissipation, Total	$P_T$			0.50	W
Thermal Resistance, Junction to Ambient ( $^{\circ}$ C/W)	$R_{\theta JA}$			300.00	$^{\circ}$ C/W
Thermal Resistance, Junction to Lead ( $^{\circ}$ C/W)	$R_{\theta JL}$			250.00	$^{\circ}$ C/W

This part can be found in the following product categories:

- [Power Discretes & Modules](#) ▶ [Diodes](#) ▶ [Zener](#) ▶ [Zener Voltage Regulator Diode](#)
- [High-Reliability](#) ▶ [Non-Radiation Hardened Devices](#) ▶ [High-Reliability Diodes](#) ▶ [High-Reliability Zener diodes](#)