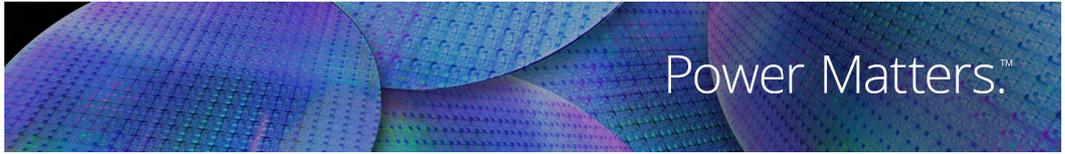


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JANS1N4614-1 (#57306)

Product Status
■ In Production

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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_{Z1}			0.25	mA
Regulator Current, DC Maximum Rated	I_{ZM}			120.00	mA
Regulator voltage, reference voltage (dc)	V_Z			1.80	V
Reverse Current (μ A)	I_R			3.50	μ A
Reverse Voltage	V_R			1.00	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_{ϕ}	-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:

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- [High-Reliability](#) ▶ [Non-Radiation Hardened Devices](#) ▶ [High-Reliability Diodes](#) ▶ [High-Reliability Zener diodes](#)