

Voltage Regulator Diode Zener 62 V / 50 W

Technical Data

Typical applications : Designed to provide a near constant voltage when operated in the reverse breakdown mode but when operated with a forward bias it behaves similarly to any forward biased rectifier junction.

Features :

- P_{tot} 50 W [$T_{case} = 75\text{ }^{\circ}\text{C}$]
- Hermetic metal glass seal .
- Anode to case
- $T_{vj\ max} = 175\text{ }^{\circ}\text{C}$

Symbol	Conditions	Specification
V_{ZT}	Zener Voltage @ Zener Test Current I_{ZT} ; Tolerance = $\pm 5\%$	62 Volts nominal
I_{ZT}	Zener Test Current	200 mA
Z_{ZT}	Zener Impedance @ Zener Test Current I_{ZT}	7.0 max
Z_{ZK}	Zener Impedance in the breakdown knee region @ Zener Test Current in the breakdown knee region I_{ZK}	600 max
I_{ZK}	Zener Test Current in the breakdown knee region	1.0 mA
VZ	Temperature Coefficient of working voltage	$9.0 \times 10^{-4} / ^{\circ}\text{C}$ typ
I_R	Continuous Reverse Current @ Continuous Reverse Voltage V_R ; $T_{amb} = 25\text{ }^{\circ}\text{C}$	10 μA max
V_R	Continuous Reverse Voltage	52 Volts
I_{ZM}	Peak Regulation Current	690 mA
Case Outline		DO5