

Voltage Regulator Diode

Zener 24 V / 10 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} 10 W [Tcase = 75 °C]
- Hermetic metal glass seal .
- Anode to case
- T_{vj} max = 175 °C

Symbol	Conditions	Specification
V_{ZT}	Zener Voltage @ Zener Test Current I_{ZT} ; Tolerance = $\pm 5\%$	24 Volts nominal
I_{ZT}	Zener Test Current	105 mA
Z_{ZT}	Zener Impedence @ Zener Test Current I_{ZT}	5 max
Z_{ZK}	Zener Impedence in the breakdown knee region @ Zener Test Current in the breakdown knee region I_{ZK}	250 max
I_{ZK}	Zener Test Current in the breakdown knee region	1.0 mA
VZ	Temperature Coefficient of working voltage	$8.0 \times 10^{-4} / ^\circ\text{C}$ typ
I_R	Continuous Reverse Current @ Continuous Reverse Voltage V_R ; $T_{amb} = 25^\circ\text{C}$	10 μA max
V_R	Continuous Reverse Voltage	18 Volts
I_{ZM}	Peak Regulation Current	390 mA
Case Outline		DO4