

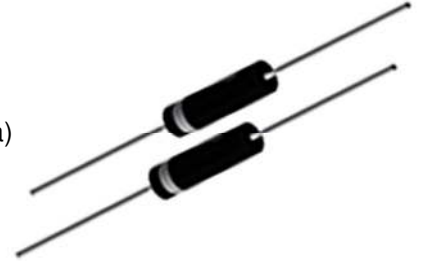


HVTD3

3 kV, 50 mA
High Temperature Diode

Features

- High Temperature Use
- Low Reverse Leakage
- RoHS compliant to Directive 2011/65/EC, Article 4(1), Annex II, Annex III, 7(a)



Device Electrical Characteristics

(25 °C ambient temperature unless stated otherwise)

	Conditions	Symbol	Value
Repetitive Peak Reverse Voltage		V_{RRM}	3,000 Volts
Average Forward Current Maximum	$T_A = 55\text{ }^\circ\text{C}$ (Oil)	I_{FAVM}	50 mA
Average Forward Current Maximum	$T_A = 200\text{ }^\circ\text{C}$ (Oil)	I_{FAVM}	1 mA
Maximum Forward Voltage Drop	$I_F = 50\text{ mA}$	V_F	25 Volts
Maximum Reverse Current	@ V_{RRM}	I_R	0.50 μA
Typical Reverse Current	@ $V_{RRM}, T_A = 200\text{ }^\circ\text{C}$	I_R	18.0 μA
Maximum Forward Surge Current	Half Sine (60 Hz)	I_{FSM}	3.0 Amps
Operating Temperature Range	-	T_{OP}	-55 °C to 200 °C

Mechanical Data

		Min.		Max.	
		in.	mm	in.	mm
Body Length	A	-	-	0.40	10.10
Body Diameter	D	-	-	0.10	2.54
Lead Length	B	0.945	24.0	-	-
Lead Diameter	C	-	-	0.023	0.58

