



HVS1000

10 kV, 1.1 Amps
High Voltage Rectifier

Features

- High reverse voltage, medium power device
- Molded epoxy body
- 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
Maximum Repetitive Peak Reverse Voltage	-	V _{RRM}	10,000 Volts
Average Forward Current Maximum	T _A = 55°C	I _{FAVM}	1.1 Amps
Maximum Forward Voltage Drop	I _F = 1.1 Amps	V _F	9 Volts
Maximum Surge Current Rating	8.3 msec, half sine	I _{FSM}	150 Amps
Maximum Reverse Current	at rated V _{RRM}	I _R	0.5 μA
Maximum Junction Temperature	-	T _J	150°C
Storage Temperature Range	-	T _{STG}	-55°C to 150°C

Mechanical Data

		in.	mm
Body Length	A	4.5	114.3
Body Height	B	0.75	19.05
Body Thickness	C	0.4	10.16
Lead Length (min)	D	2.0	50.8
Lead Diameter	E	0.05	1.3

