



HV10000

10 kV, 0.6 Amps
Standard Recovery Rectifier

Features

- High reverse voltage, medium power device
- Molded plastic body, ANSI/UL94 V-0 rated material
- 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	$T_A = 55^\circ\text{C}$	I_{FAVM}	600 mA
Maximum Forward Voltage Drop	$I_F = 600\text{mA}$	V_F	9 Volts
Maximum Surge Current rating	8.3msec, half sine	I_{FSM}	50 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

		Min.		Max.	
		in.	mm	in.	mm
Body length	A	2.00	50.8	-	-
Body height	B	0.525	13.3	-	-
Body thickness	C	0.265	6.7	-	-
Lead length	D	2.00	50.8	-	-
Lead diameter	E	0.05	1.27	-	-

