

**HL800**8KV, 40mA, Fast Recovery
High Voltage Rectifier**Features**

- Fast reverse recovery time for high efficiency
- Molded plastic body, ANSI/UL94 V-0 rated material
- RoHS compliant based on exemption: [2011/65/EC, Annex III, 7(a)]

**Device Electrical Characteristics**

(25°C ambient temperature unless stated otherwise)

	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	8,000 Volts
Average Forward Current maximum	$T_A = 55^\circ C$	I_{FAVM}	40 mA
Maximum Forward Voltage Drop	$I_F = 10\text{mA}$	V_F	26 Volts
Maximum Surge Current rating	8.3msec, half sine	I_{FSM}	3 Amps
Maximum Reverse Current	at rated V_{RRM}	I_R	1.0 μA
Maximum Reverse Recovery Time	$I_F=250\text{mA}, I_R= 0.5\text{A}, I_{RR}= 125\text{mA}$	T_{RR}	100 ηsec
Typical Junction Capacitance	$f = 1\text{MHz}, V_R = 0 \text{ VDC}$	C_J	0.3 pf
Maximum Junction Temperature	-	T_J	125°C
Storage Temperature range	-	T_{STG}	-40°C to 150°C

Mechanical Data

		Min.	Max.	
		in.	mm	in.
Body length	A	-	-	0.40
Body diameter	D	-	-	0.12
Lead length	B	.95	24.2	-
Lead diameter	C	-	-	0.025
				10.2
				3.1
				-
				0.64

