

**G8FS**8KV, 25mA, Fast Recovery  
High Voltage Rectifier**Features**

- Fast reverse recovery time for high efficiency
- 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		$V_{RRM}$	8,000 Volts
Average Forward Current maximum	$T_A = 55^\circ C$	$I_{FAVM}$	25mA
Maximum Forward Voltage Drop	$I_F = 10\text{mA}$	$V_F$	23 Volts
Maximum Surge Current rating	8.3msec, half sine	$I_{FSM}$	3 Amps
Maximum Reverse Current	at rated $V_{RRM}$	$I_R$	0.2 $\mu A$
Maximum Reverse Recovery Time	$I_F = 20\text{mA}, I_R = 40\text{mA}, I_{RR} = 10\text{mA}$	$T_{RR}$	100 $\eta\text{sec}$
Typical Junction Capacitance	$f = 1\text{MHz}, V_R = 0 \text{VDC}$	$C_J$	0.65 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	-	-	0.32
Body diameter	D	-	-	0.12
Lead length	B	1.0	25.4	-
Lead diameter	C	-	-	0.025

