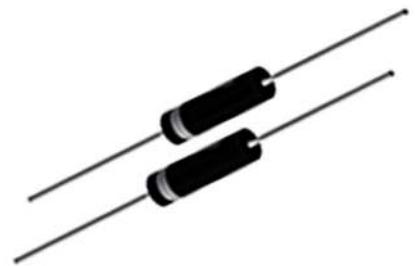


**G25FS**25 kV, 25 mA, Fast Recovery  
High Voltage Rectifier**Features**

- High peak reverse voltage
- Fast Recovery time
- Low junction capacitance
- 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		$V_{RRM}$	25,000 Volts
Average Forward Current Maximum	$T_A = 55^\circ\text{C}$	$I_{FAVM}$	25 mA
Maximum Forward Voltage Drop	$I_F = 25 \text{ mA}$	$V_F$	42 Volts
Maximum Reverse Current	@ $V_{RRM}$	$I_R$	0.2 $\mu\text{A}$
Maximum Reverse Recovery Time	$I_F = 20\text{mA}; I_R = 40\text{mA}; I_{RR} = 10 \text{ mA}$	$T_{RR}$	100 $\text{nsec}$
Typical Junction Capacitance	$f = 1\text{MHz}, V_R = 0 \text{ Volt}$	$C_J$	0.20 pF
Maximum Forward Surge Current	8.3msec, Half Sine	$I_{FSM}$	3.0 Amps
Maximum Junction Temperature	-	$T_J$	125°C
Maximum Storage Temperature	-	$T_S$	-55°C to 150°C

**Mechanical Data**

		Min.	Max.
		in.	mm
Body Length	<b>A</b>	-	0.47
Body Diameter	<b>D</b>	-	0.12
Lead Length	<b>B</b>	1.0	25.4
Lead Diameter	<b>C</b>	-	0.025

