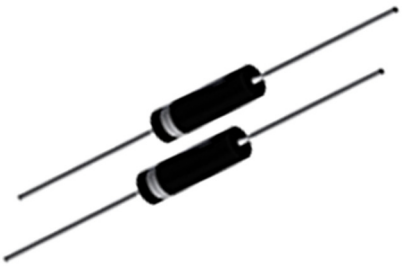
G25FS

25 kV, 25 mA, Fast Recovery
High Voltage Rectifier

High Voltage Products. High Voltage Experts.

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°C	I_{FAVM}	25 mA
Maximum Forward Voltage Drop	I_F = 25 mA	V_F	42 Volts
Maximum Reverse Current	@ V_{RRM}	I_R	0.2 µA
Maximum Reverse Recovery Time	I_F = 20mA; I_R =40mA; Irr =10 mA	T_{RR}	100 ηsec
Typical Junction Capacitance	f = 1MHz, V_R = 0 Volt	C_J	0.20pF
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	in.	mm
Body Length	A	-	-	0.47	12
Body Diameter	D	-	-	0.12	3.1
Lead Length	B	1.0	25.4	-	-
Lead Diameter	C	-	-	0.025	0.6