

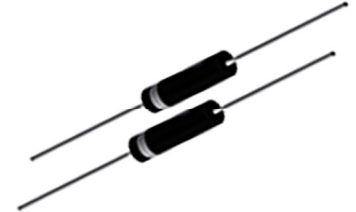


GxFSA Series

2-5 kV, 25 mA
High Voltage Rectifier

Features

- High peak reverse voltage
- Fast Recovery time
- Low junction capacitance
- Very low reverse leakage current
- Small package outline
- 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			
			G2FSA	G3FSA	G4FSA	G5FSA
Repetitive Peak Reverse Voltage		V_{RRM}	2kV	3kV	4kV	5kV
Average Forward Current Max.	$T_A = 55^\circ\text{C}$	I_{FAVM}	25 mA			
Maximum Forward Voltage Drop	$I_F = 10 \text{ mA}$	V_F	12 Volts			
Maximum Reverse Current	@ V_{RRM}	I_R	0.20 μA			
Maximum Reverse Recovery Time	$I_F=4.0\text{mA}; I_R=10\text{mA}; I_{rr} = 2.0 \text{ mA}$	T_{RR}	75 ηsec			
Maximum Surge Current	8.3msec, Half Sine	I_{FSM}	3.0 Amps			
Typical Junction Capacitance	$f=1\text{MHz}, V_R = 0 \text{ VDC}$	C_J	0.50pf			
Maximum Junction Temperature	-	T_J	150°C			
Maximum Storage Temperature	-	T_S	-55°C to 150°C			

Mechanical Data

		Min.		Max.	
		in.	mm	in.	mm
Body Length	A	-	-	0.195	5.0
Body Diameter	D	-	-	0.080	2.0
Lead Length	B	1.0	25.4	-	-
Lead Diameter	C	-	-	0.020	0.50

