

**GMA02**

Silicon Epitaxial Planar Type

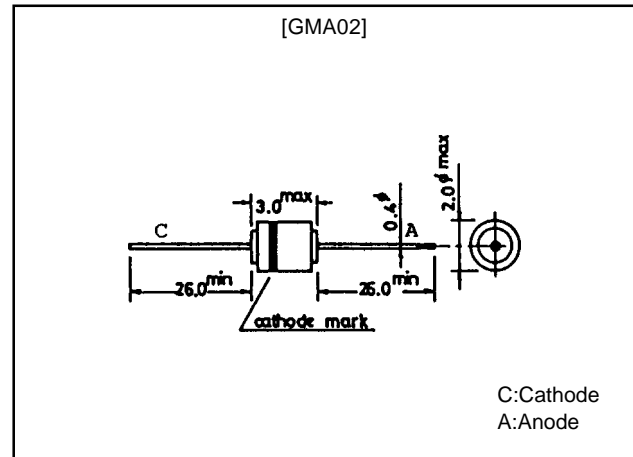
**Very High-Speed Switching Diode****Features**

- Glass sleeve structure.
- Allowable power dissipation :  $P=300\text{mW}$  max.
- Interterminal capacitance :  $C=3.0\text{pF}$  max.
- Breakdown voltage :  $V_R=220\text{V}$ .

**Package Dimensions**

unit:mm

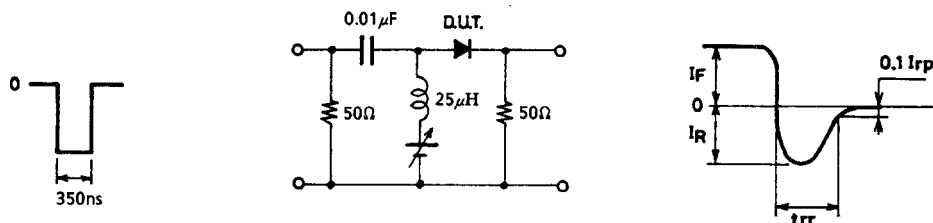
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**Specifications****Absolute Maximum Ratings at  $T_a = 25^\circ\text{C}$** 

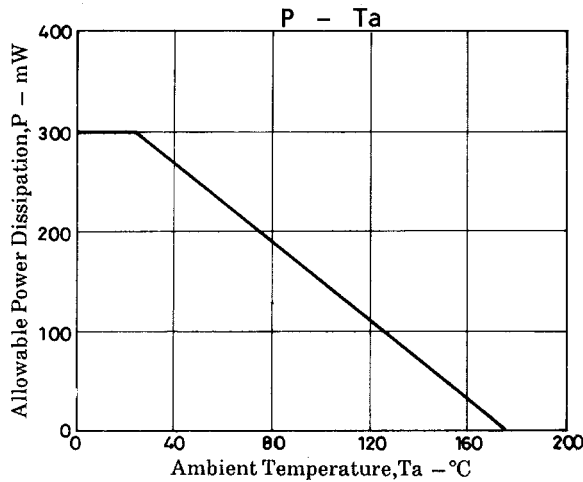
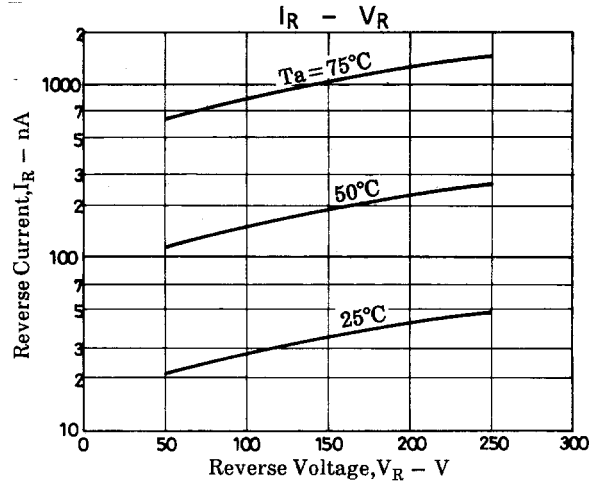
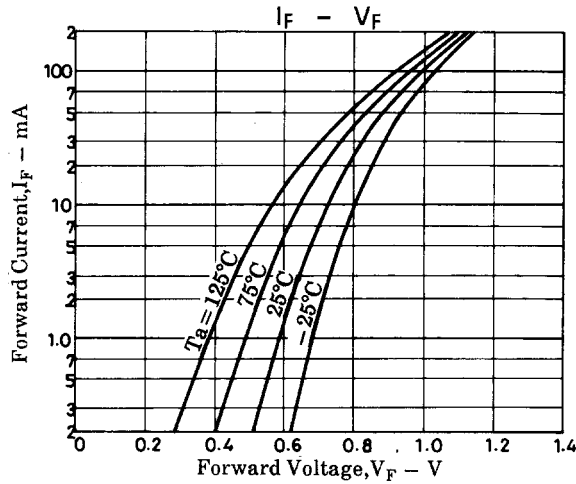
Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	$V_{RM}$		250	V
Reverse Voltage	$V_R$		220	V
Peak Forward Current	$I_{FM}$		625	mA
Average Rectified Current	$I_O$		200	mA
Surge Forward Current	$I_{FSM}$	1s pulse	1000	mA
Allowable Power Dissipation	$P$		300	mW
Junction Temperature	$T_j$		175	$^\circ\text{C}$
Storage Temperature	$T_{stg}$		-65 to +175	$^\circ\text{C}$

**Electrical Characteristics at  $T_a = 25^\circ\text{C}$** 

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	$V_F$	$I_F=200\text{mA}$			1.5	V
Reverse Current	$I_R$	$V_R=220\text{V}$			10	$\mu\text{A}$
Interterminal Capacitance	$C$	$V_R=0\text{V}$ , $f=1\text{MHz}$			3.0	pF
Reverse Recovery Time	$t_{rr}$	$I_F=I_R=20\text{mA}$ , $R_L=50\Omega$			75	ns

 **$t_{rr}$  Test Circuit**

# GMA02



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