

**GMA02**

Silicon Epitaxial Planar Type

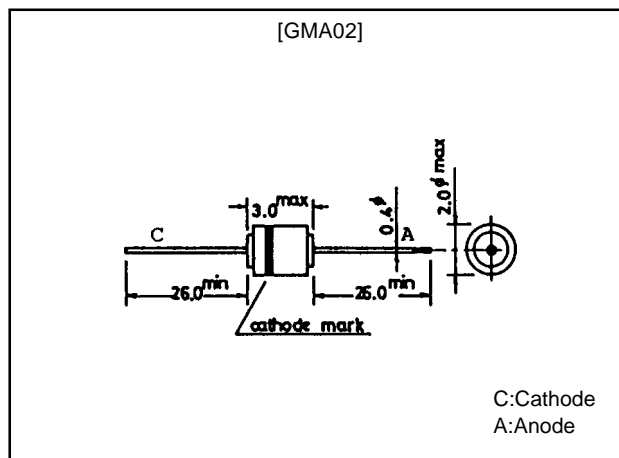
Very High-Speed Switching Diode**Features**

- 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

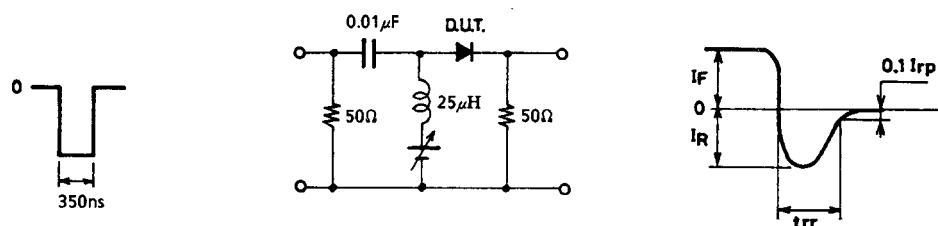
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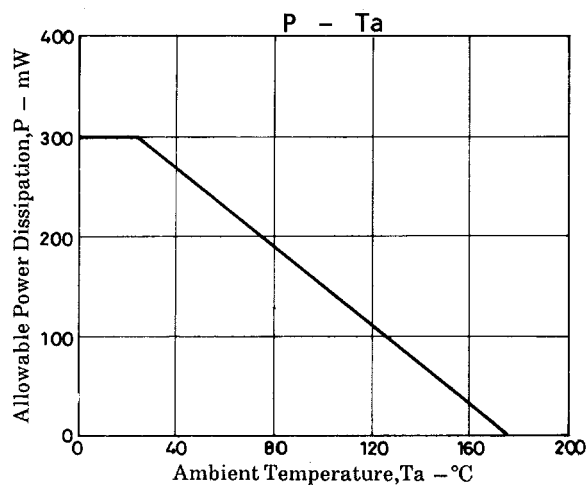
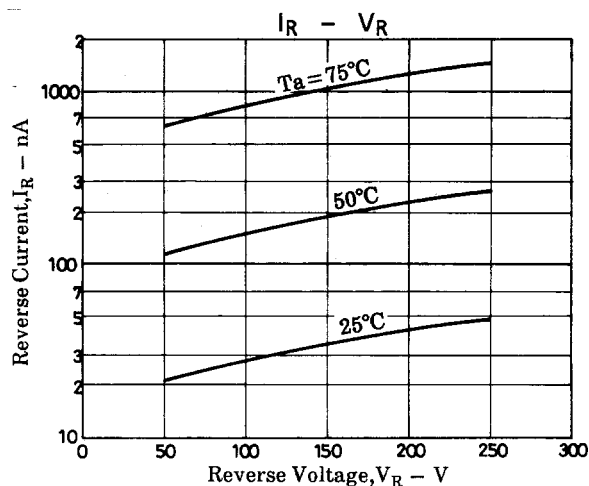
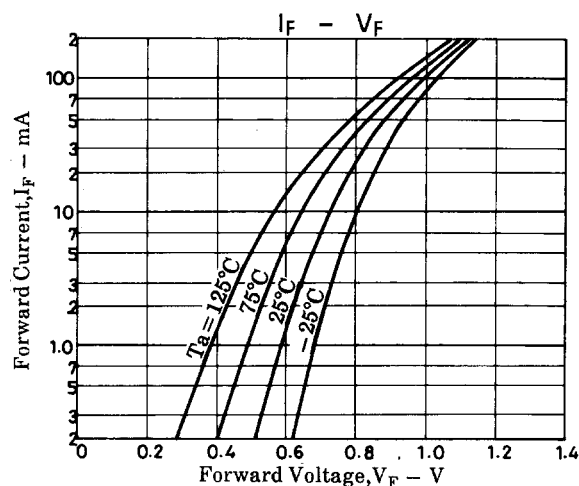
**Specifications****Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$**

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	μA
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



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