

<b>SANYO</b>	No.1065C	<b>GMA01,01U</b>
		Epitaxial Planar Silicon Diode Very High-Speed Switching, Bias Stabilizing Applications

**Features**

- Glass sleeve structure
- Allowable power dissipation : P = 300mW max.
- Interterminal capacitance : c = 3.0pF max.
- Reverse recovery time :  $t_{rr}$  = 4.0ns max.
- Small size, being about half of DO-35 package heretofore in use

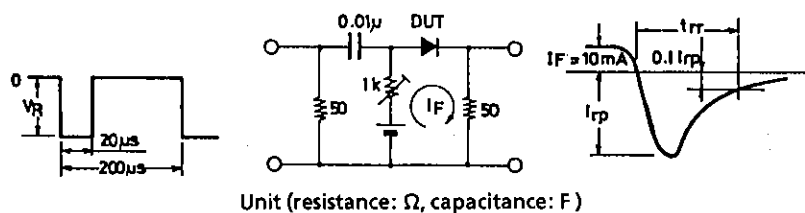
**Absolute Maximum Ratings at Ta = 25°C**

		GMA01	GMA01U	unit
Peak Reverse Voltage	$V_{RM}$	-60	-105	V
Reverse Voltage	$V_R$	-55	-100	V
Peak Forward Current	$I_{FM}$	→	360	mA
Average Rectified Current	$I_O$	→	120	mA
Surge Forward Current	$I_{FSM}$ 1 s pulse	→	500	mA
Allowable Power Dissipation	P	→	300	mW
Junction Temperature	$T_j$	→	175	°C
Storage Temperature	$T_{stg}$	→	-65 to +175	°C

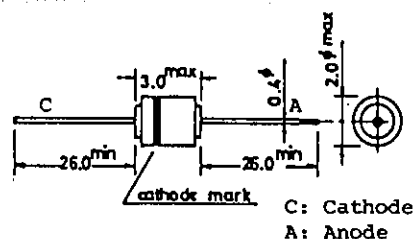
**Electrical Characteristics at Ta = 25°C**

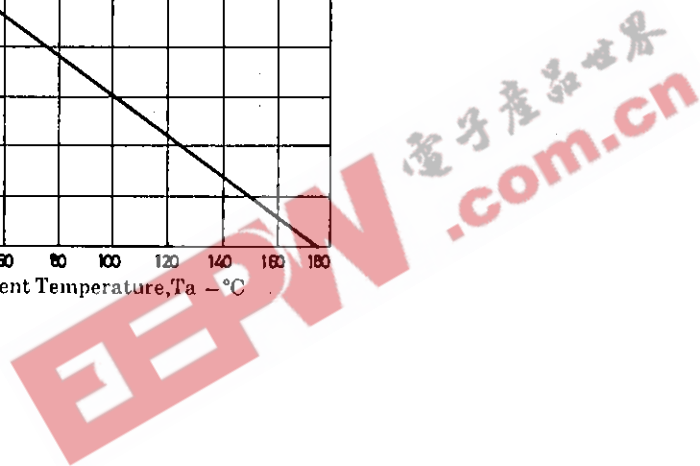
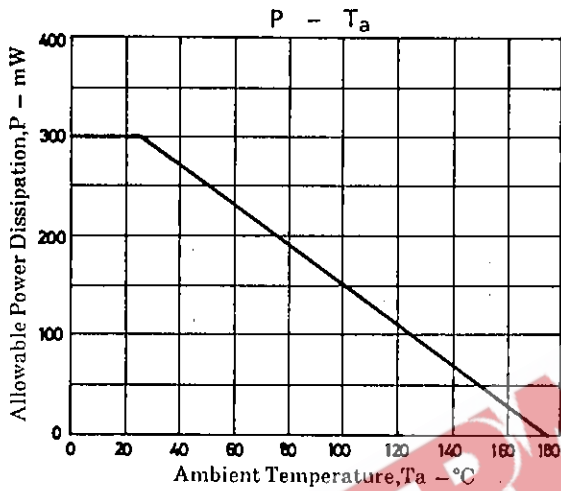
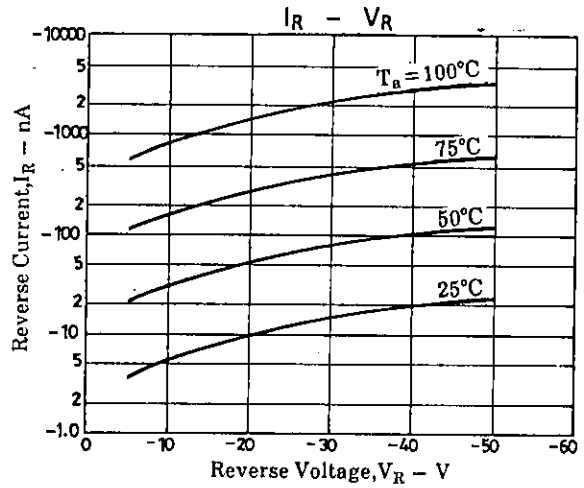
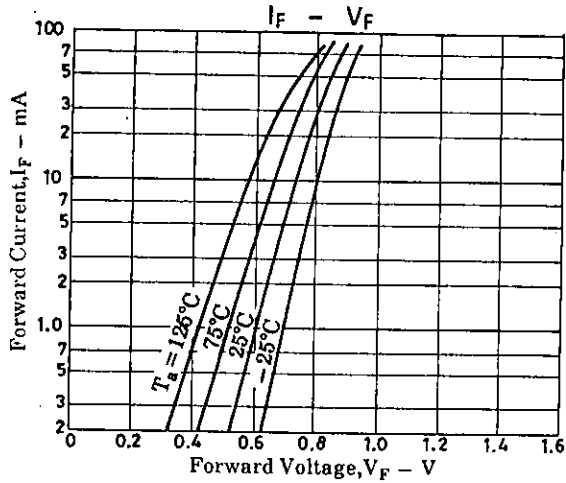
			min	typ	max	unit
Forward Voltage	$V_F$ $I_F = 1.5mA$		0.55		0.68	V
Reverse Current	$I_R$ $V_R = -55V$ (GMA01)				-0.5	μA
					-0.5	μA
					-5	μA
Interterminal Capacitance	c $V_R = 0V, f = 1MHz$				3.0	pF
Reverse Recovery Time	$t_{rr}$ $V_R = -6V, I_F = 10mA, R_L = 50\Omega$				4.0	ns

**Reverse Recovery Time Test Circuit**



**Package Dimensions 1114**  
(unit: mm)





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