

<b>SANYO</b>	No.1897A	<b>GMB01,01U</b> Epitaxial Planar Type <b>Very High-Speed Switching Diode</b>
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**Features**

- Glass sleeve structure
- Allowable power dissipation : P = 250mW max.
- Interterminal capacitance : c = 3.0pF max.
- Reverse recovery time :  $t_{rr}$  = 4.0ns max.
- Meets the requirements for high-speed automatic mounter (DO-34 package).

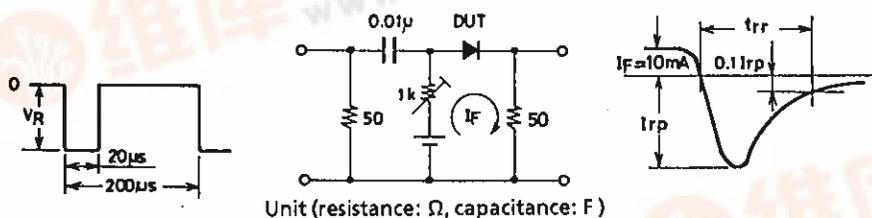
**Absolute Maximum Ratings at Ta = 25°C**

		GMB01	GMB01U	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	→	600	mA
Allowable Power Dissipation	P	→	250	mW
Junction Temperature	$T_j$	→	175	°C
Storage Temperature	$T_{stg}$	→	-65 to +175	°C

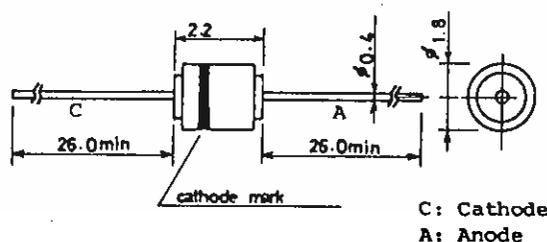
**Electrical Characteristics at Ta = 25°C**

			min	typ	max	unit
Forward Voltage	$V_{F1}$	$I_F = 1.5mA$	0.55		0.68	V
		$I_F = 100mA$			1.2	V
Reverse Current	$I_R$	$V_R = -55V$ (GMB01)			-0.5	$\mu A$
		$V_R = -75V$ (GMB01U)			-0.5	$\mu A$
		$V_R = -100V$ (GMB01U)			-5	$\mu A$
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

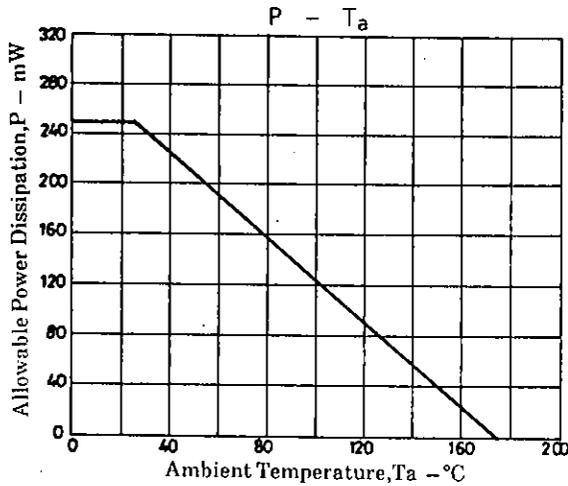
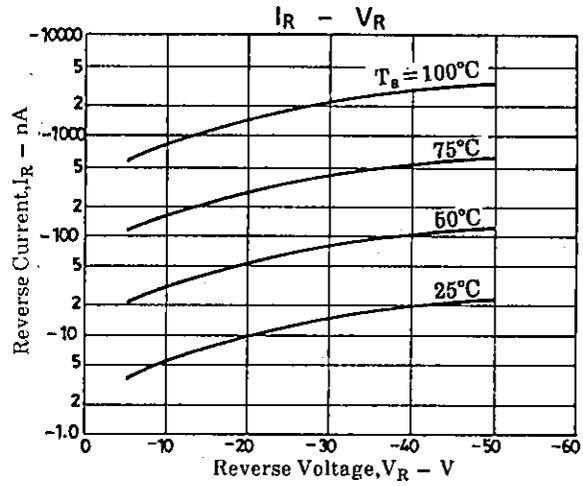
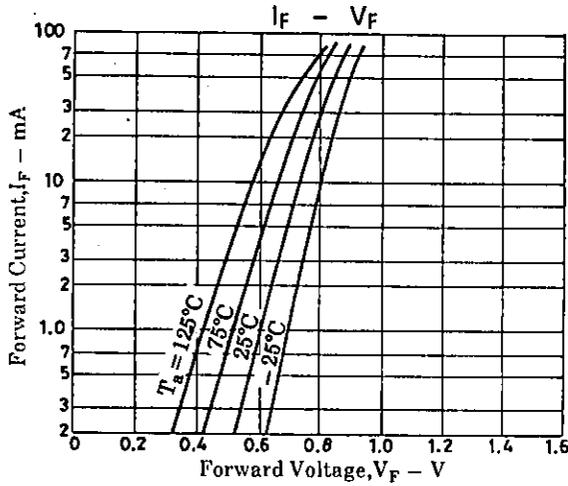
**Reverse Recovery Time Test Circuit**



**Package Dimensions 1215**  
(unit: mm)



GMB01,01U



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