

SANYO

No.1065C

GMA01,01U

Epitaxial Planar Silicon Diode

Very High-Speed Switching,
Bias Stabilizing Applications**Features**

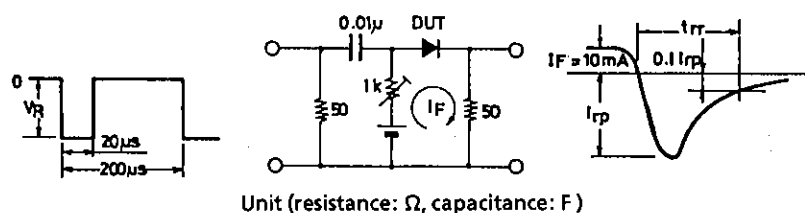
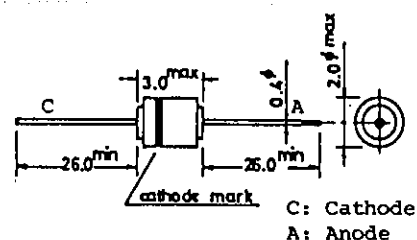
- Glass sleeve structure
- Allowable power dissipation : $P = 300\text{mW}$ max.
- Interterminal capacitance : $c = 3.0\text{pF}$ max.
- Reverse recovery time : $t_{rr} = 4.0\text{ns}$ max.
- Small size, being about half of DO-35 package heretofore in use

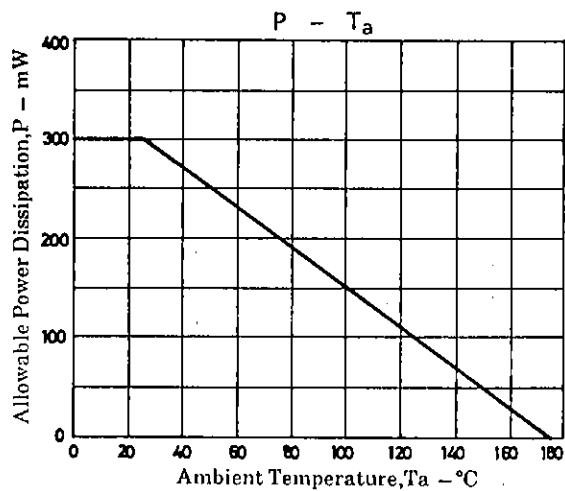
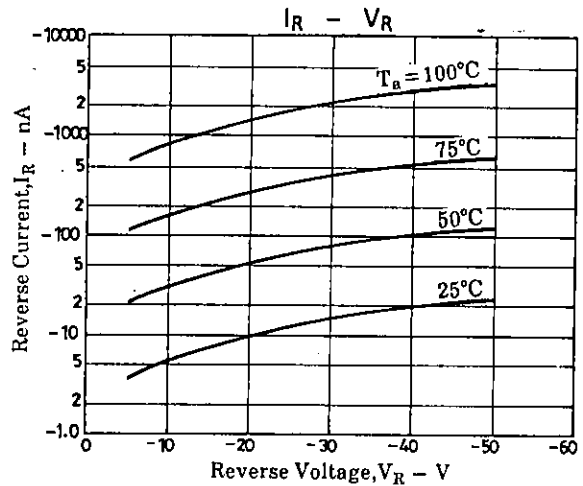
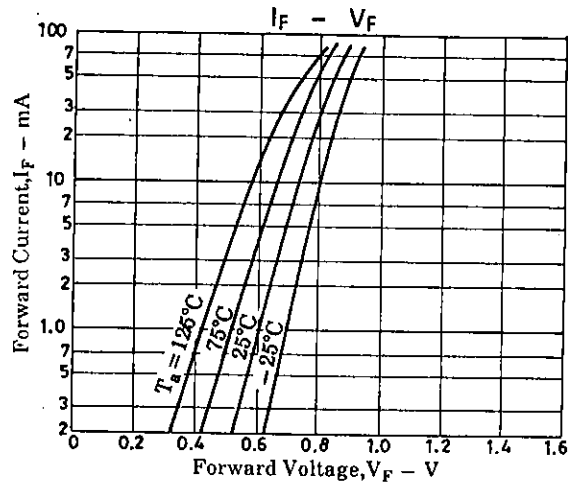
Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

		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	$^\circ\text{C}$
Storage Temperature	T_{stg}	→	-65 to +175	$^\circ\text{C}$

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

			min	typ	max	unit
Forward Voltage	V_F	$I_F = 1.5\text{mA}$	0.55		0.68	V
Reverse Current	I_R	$V_R = -55\text{V}$ (GMA01)			-0.5	μA
		$V_R = -75\text{V}$ (GMA01U)			-0.5	μA
		$V_R = -100\text{V}$ (GMA01U)			-5	μA
Interterminal Capacitance	c	$V_R = 0\text{V}, f = 1\text{MHz}$			3.0	pF
Reverse Recovery Time	t_{rr}	$V_R = -6\text{V}, I_F = 10\text{mA}, R_L = 50\Omega$			4.0	ns

Reverse Recovery Time Test Circuit**Package Dimensions 1114**
(unit: mm)



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