



No.1905B

DS441

Silicon Planar Type

Low Leak Switching Diode

**Features**

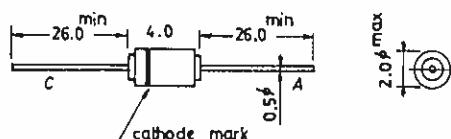
- Glass sleeve structure : DHD type
- Low leak current :  $I_R = -10\text{nA}$  max.
- Power dissipation :  $P = 300\text{mW}$  max.
- Interterminal capacitance :  $C = 6.0\text{pF}$  max.

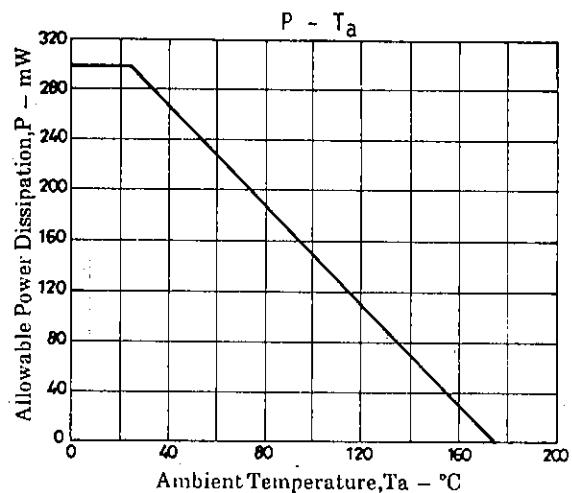
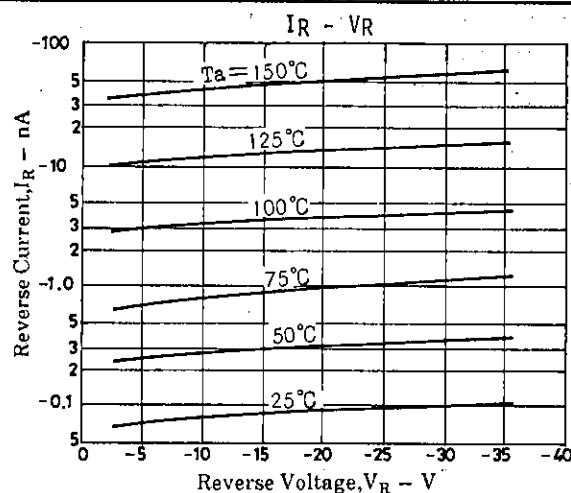
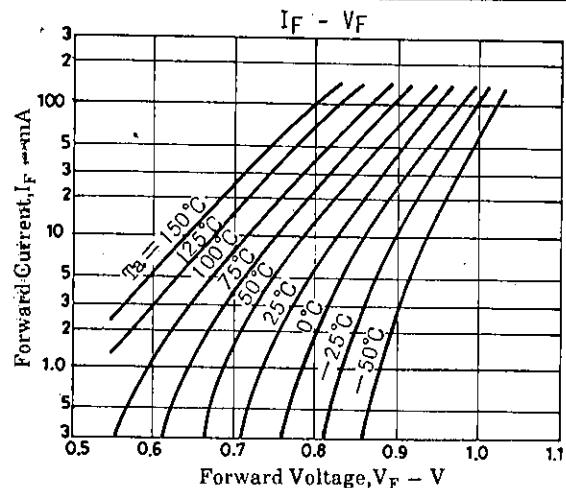
**Absolute Maximum Ratings at  $T_a = 25^\circ\text{C}$** 

			unit
Peak Reverse Voltage	$V_{RM}$	-35	V
Reverse Voltage	$V_R$	-30	V
Peak Forward Current	$I_{FM}$	300	mA
Average Rectified Current	$I_O$	100	mA
Surge Forward Current	$I_{FSM}$	1000	mA
Power Dissipation	$P$	300	mW
Junction Temperature	$T_j$	175	°C
Storage Temperature	$T_{stg}$	-65 to +175	°C

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

			min	typ	max	unit
Forward Voltage	$V_F$	$I_F = 100\text{mA}$		1.0	1.3	V
Reverse Current	$I_R$	$V_R = -30\text{V}$		-0.1	-10	nA
Interterminal Capacitance	C	$V_R = 0\text{V}, f = 1\text{MHz}$		3.0	6.0	pF

**Package Dimensions 1080  
(unit: mm)**C: Cathode  
A: Anode



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