

**DS441**

Silicon Planar Type

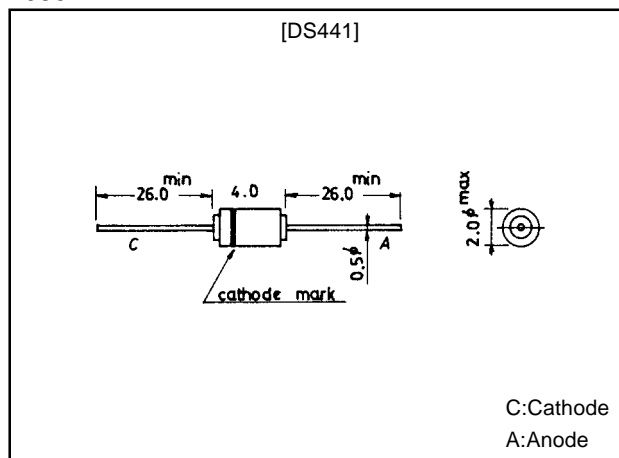
Low Leak Switching Diode**Features**

- 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.

Package Dimensions

unit:mm

1080

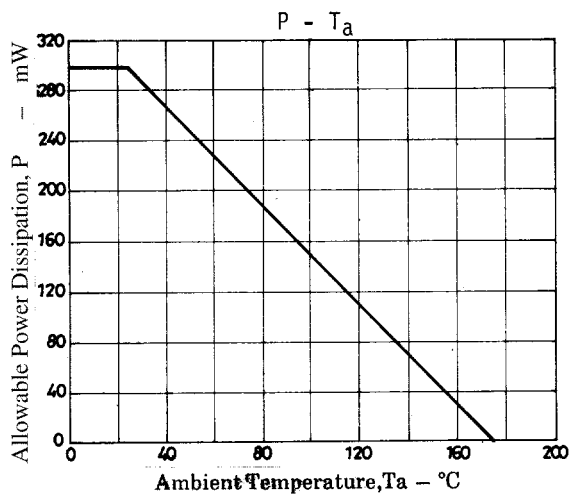
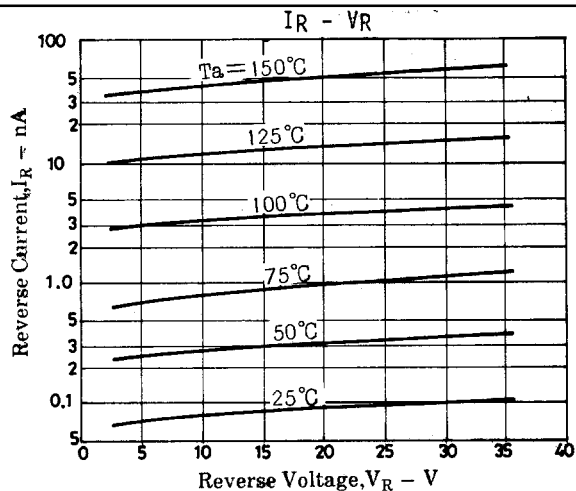
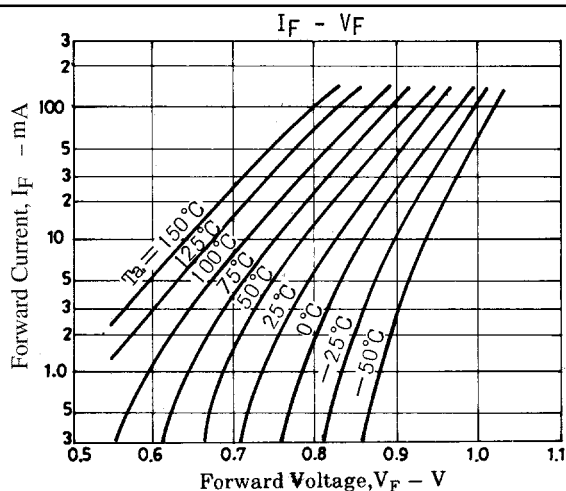
**Specifications****Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$**

Parameter	Symbol	Conditions	Ratings	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}	1s pulse	1000	mA
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	$I_F=100\text{mA}$		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

DS441



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