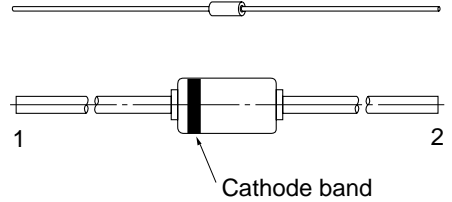


Features

- Low capacitance. ($C = 3.0\text{pF}$ max)
- Short reverse recovery time. ($t_{rr} = 8.0\text{ns}$ max)
- High reliability with glass seal.



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

1. Cathode
2. Anode

Item	Symbol	Value	Unit
Peak reverse voltage	V_{RM}	70	V
Reverse voltage	V_R	60	V
Peak forward current	I_{FM}	450	mA
Non-Repetitive peak forward surge current	I_{FSM}^*	1	A
Average forward current	I_O	150	mA
Power dissipation	P_d	250	mW
Junction temperature	T_j	175	$^\circ\text{C}$
Storage temperature	T_{stg}	-65 to +175	$^\circ\text{C}$

Note: Within 1s forward surge current.

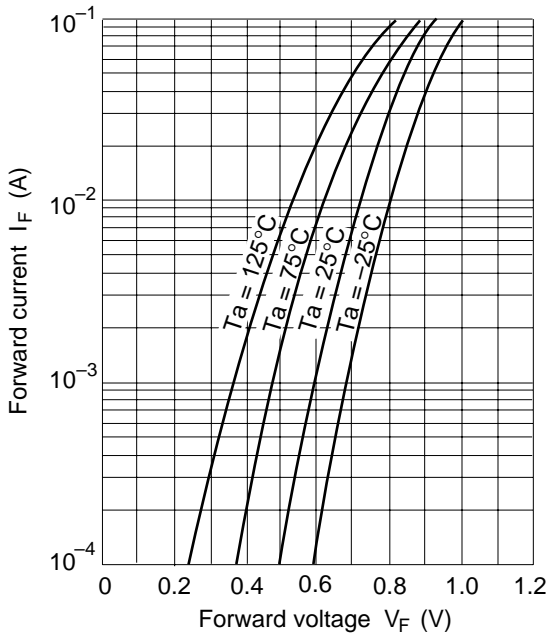
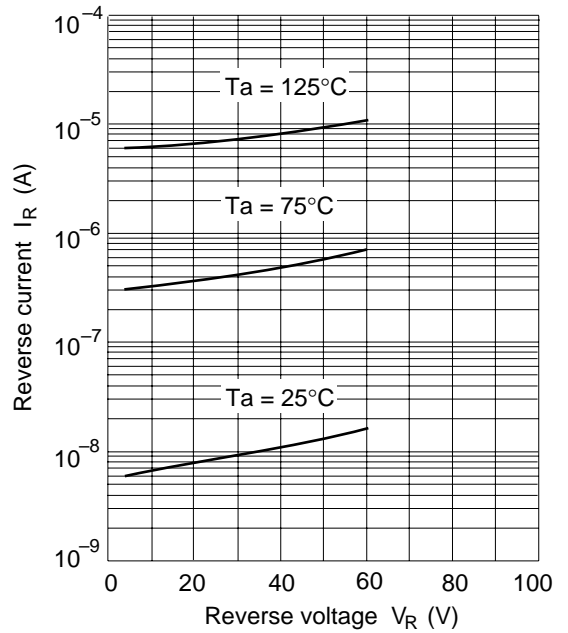
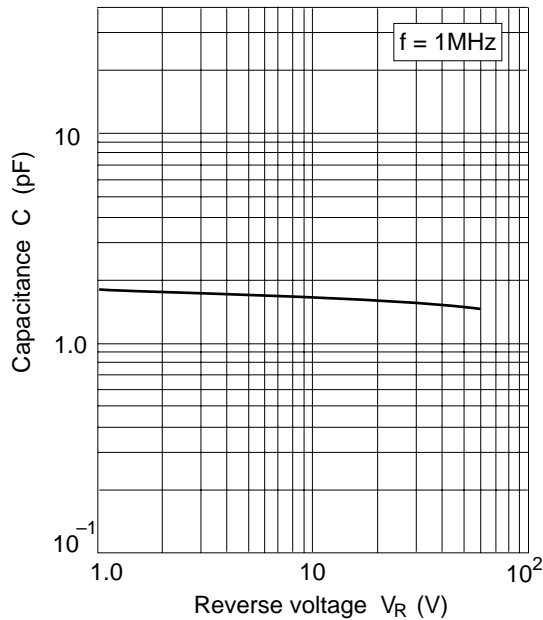
Electrical Characteristics ($T_a = 25^\circ\text{C}$)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Forward voltage	V_F	0.64	—	0.80	V	$I_F = 10\text{mA}$
Reverse current	I_R	—	—	0.1	μA	$V_R = 30\text{V}$
Capacitance	C	—	—	3.0	pF	$V_R = 1\text{V}$, $f = 1\text{MHz}$
Reverse recovery time	t_{rr}^*	—	—	8.0	ns	$I_F = I_R = 10\text{mA}$, $I_{rr} = 1\text{mA}$

Note: Reverse recovery time test circuit

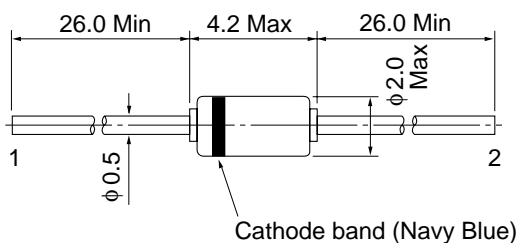
Ordering Information

Type No.	Cathode band	Package Code
1S2076A	Navy Blue	DO-35


Fig.1 Forward current Vs. Forward voltage

Fig.2 Reverse current Vs. Reverse voltage

Fig.3 Capacitance Vs. Reverse voltage

Package Dimensions

Unit: mm



HITACHI Code	DO-35
JEDEC Code	DO-35
EIAJ Code	SC-48
Weight (g)	0.13

