Fast Recovery Rectifying Diode

F1F20

● **Features**

- Small size
- Taping capable of high density mounting.

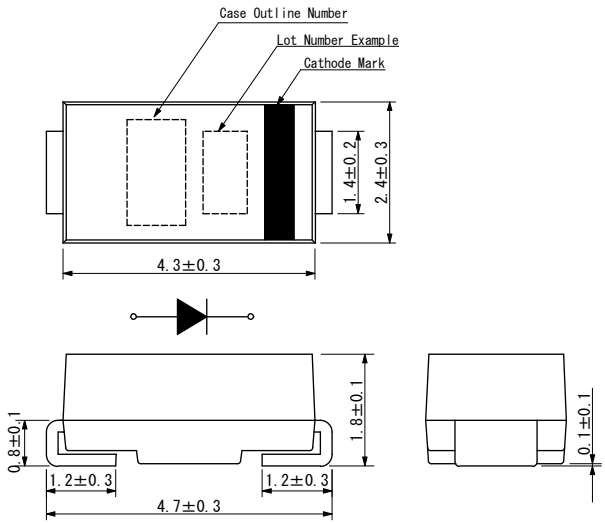
● **Applications**

- HIC
- Mounting for both sides printed circuit board.
- Discharging circuit of flash strobe.

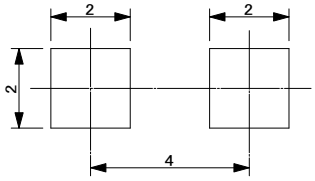
● **Structures**

- Resin molded, and diffused junction silicon diode.
- Marking symbol : [F20]
- Weight : 0.07g
- Terminal plating : Sn
- Conforms to RoHS regulations

● **Outline Drawing** Unit : mm



● **Recommendation Pattern for Mounting**



● **Absolute Maximum Ratings**

Items	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	V_{RM}		2000	V
Average Rectified Forward Current	I_O	Ta=25℃, Half sin wave 180° ,Resistive Load	0.5	A
Peak Forward Surge Current	I_{FSM}	Tj=25℃, Single-phase, Half sin wave, Non-Repetitive	20	A
Operating Junction Temperature	T_j		-40～+150	℃
Storage Temperature	T_{stg}		-40～+150	℃

● **Electrical Characteristics (Tj=25℃)**

Items	Symbol	Conditions	MAX.	Unit
Forward Voltage Drop	V_F	I_F=0.5A	1.5	V
Reverse Current	I_R	V_R=2000V	10	μA
Reverse Recovery Time	trr	I_F=I_R=100mA	1.5	μS