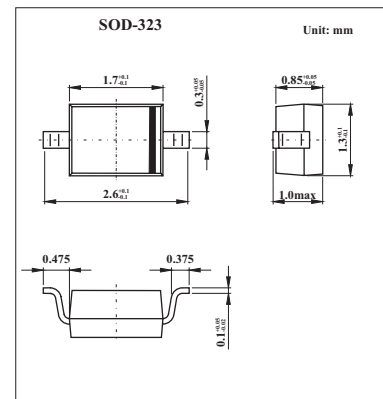


SWITCHING DIODE

1SS380

■ Features

- Ultra small mold type. (UMD2)
- High reliability.

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

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	35	V
Forward current	I_{FM}	225	mA
Average rectified forward current	I_o	100	mA
Surge current ($t=1s$)	I_{surge}	400	mA
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55 to+ 150	$^\circ\text{C}$

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F = 100\text{ mA}$			1.2	V
Reverse Current	I_R	$V_R = 20\text{ V};$			0.01	$\mu\text{ A}$
Capacitance between terminals	C_t	$V_R = 0.5, f = 1\text{ MHz}$			5	pF

Note:

1.Pulse test: $t_p = 300\ \mu\text{ s}; \delta = 0.02.$

■ Marking

Marking	E
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