

MAYS0750Y

Silicon epitaxial planar type

For ESD protection of high speed signal line

■ Features

- Maintain signal cobs with low insertion loss, distortion.

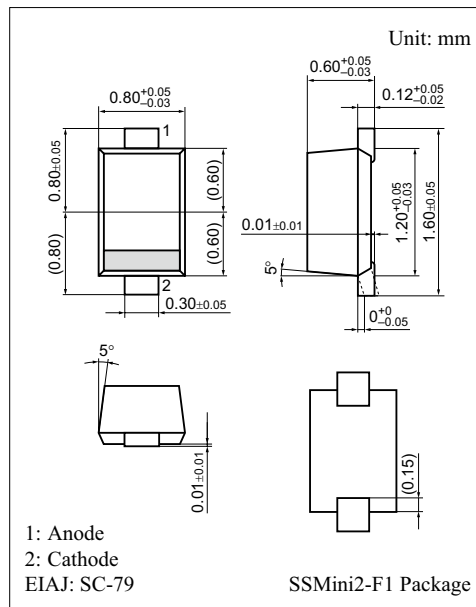
■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Total power dissipation *1	P_T	150	mW
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$
Electrostatic discharge *2	ESD	± 8	kV

Note) *1: $P_T = 150$ mW achieved with a printed circuit board.

*2: Test method: IEC61000-4-2

(C = 150 pF, R = 330 Ω , Contact discharge: 10 times)



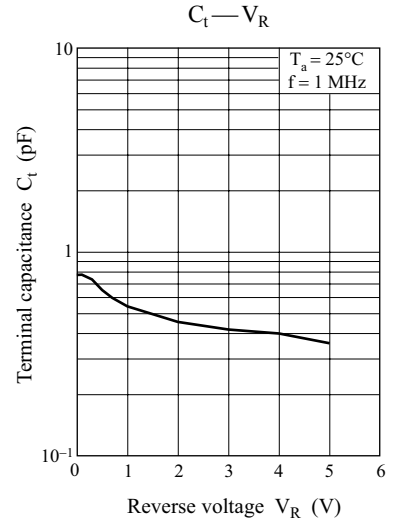
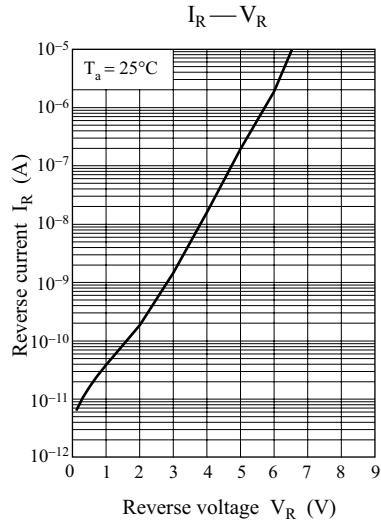
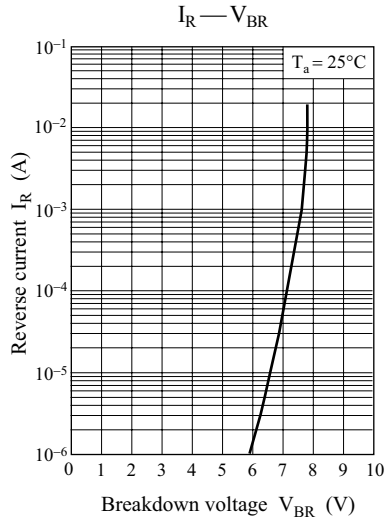
Marking Symbol: CY

■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Breakdown voltage *	V_{BR}	$I_R = 1$ mA	6.0	7.5		V
Reverse current	I_R	$V_R = 5$ V			2	μA
Terminal capacitance	C_t	$I_R = 0$ V, $f = 1$ MHz		0.8		pF

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. *: V_Z guaranteed 20 ms after current flow.



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