

Schottky Barrier Diode

RB520SM-40FH

●Applications

Small current rectification

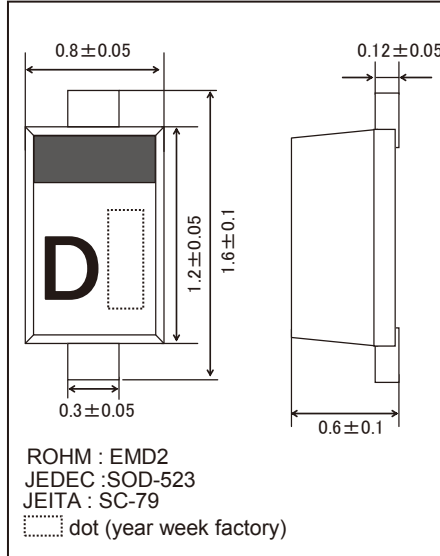
●Features

- 1) Ultra small mold type. (EMD2)
- 2) Low I_R
- 3) High reliability

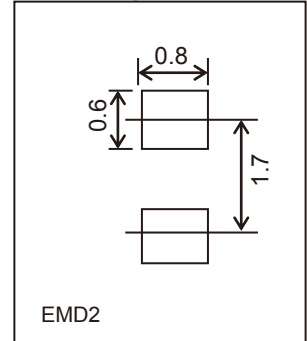
●Construction

Silicon epitaxial

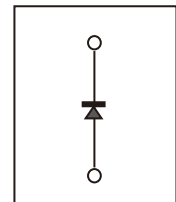
●Dimensions (Unit : mm)



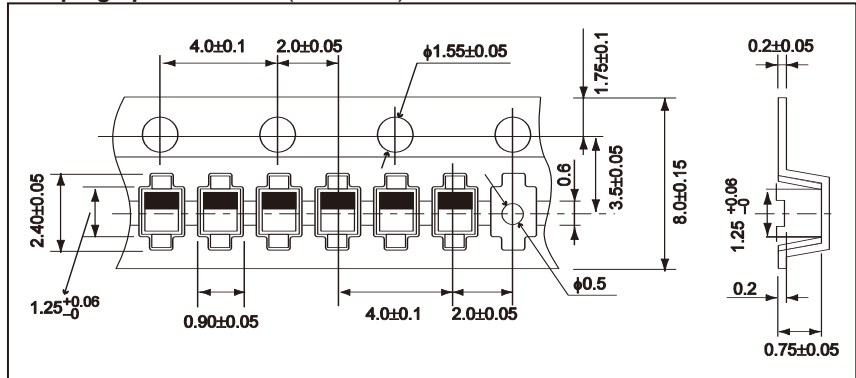
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	45	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	I_o	200	mA
Forward current surge peak (60Hz· 1cyc)	I_{FSM}	1	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}	-	-	0.39	V	$I_F=10mA$
	V_{F2}	-	-	0.55	V	$I_F=100mA$
Reverse current	I_{R1}	-	-	1	μA	$V_R=10V$
	I_{R2}	-	-	10	μA	$V_R=40V$

