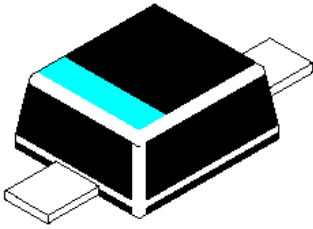


SILICON EXPITAXIAL SCHOTTKY BARRIER DIODE

RB521S-40



SOD-523

PLASTIC PACKAGE

Marking code = Z with cathode band

Features

Ultra Small Mold Type, Low Forward Voltage, High Reliability

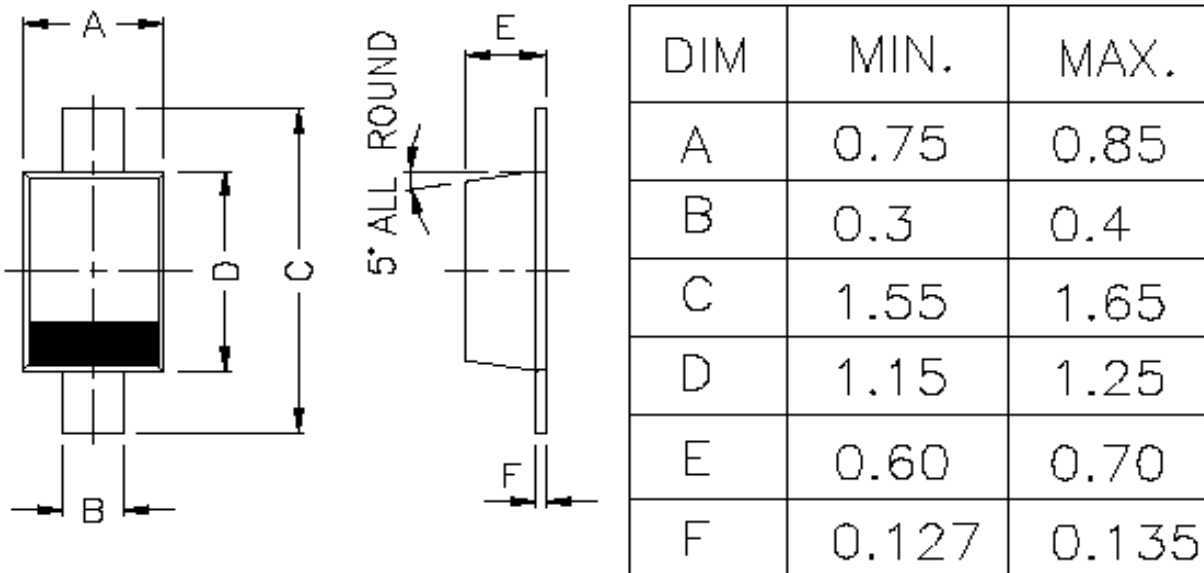
MAXIMUM RATINGS (T_a=25°C)

DESCRIPTION	SYMBOL	VALUE	UNIT
Repetitive Peak Reverse Voltage	V _{RRM}	45	V
Continuous Reverse Voltage	V _R	40	V
Mean Rectifying Current	I _O	200	mA
Peak Forward Surge Current (60 Hz or Cyc.)	I _{FSM}	1	A
Junction Temperature	T _j	150	°C
Operating and Storage Junction Temperature	T _{stg}	- 55 to +150	°C

ELECTRICAL CHARACTERISTICS (T_a=25°C unless specified otherwise)

DESCRIPTION	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Reverse Voltage Leakage Current	I _R	V _R =10V			20	μA
		V _R =40V			90	μA
Forward Voltage	V _F	I _F = 10mA	0.16		0.30	V
		I _F = 100mA	0.31		0.45	V
		I _F = 200mA	0.41		0.54	V

RB521S-40 Rev_221209E

PACKAGE SOD-523 FL

Cathode is marked by Band
All dimensions are in mm

Disclaimer

The product information and the selection guides facilitate selection of the CDIL's Semiconductor Device(s) best suited for application in your product(s) as per your requirement. It is recommended that you completely review our Data Sheet(s) so as to confirm that the Device(s) meet functionality parameters for your application. The information furnished on the CDIL Web Site/CD are believed to be accurate and reliable. CDIL however, does not assume responsibility for inaccuracies or incomplete information. Furthermore, CDIL does not assume liability whatsoever, arising out of the application or use of any CDIL product; neither does it convey any license under its patent rights nor rights of others. These products are not designed for use in life saving/support appliances or systems. CDIL customers selling these products (either as individual Semiconductor Devices or incorporated in their end products), in any life saving/support appliances or systems or applications do so at their own risk and CDIL will not be responsible for any damages resulting from such sale(s).

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