

Surface Mount Schottky Barrier diode

RB425D

FEATURES

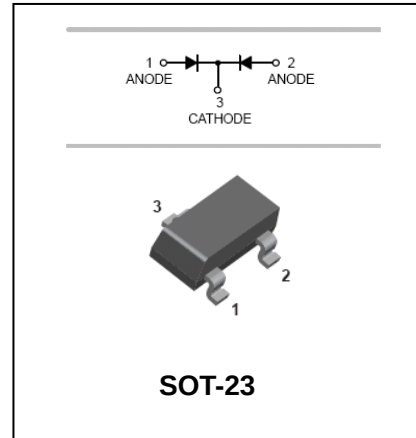
- Small surface mounting type.
- Low V_F .
- High reliability.



Lead-free

APPLICATIONS

- Low power rectification.



ORDERING INFORMATION

Type No.	Marking	Package Code
RB425D	D3L	SOT-23

MAXIMUM RATING @ $T_a=25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Limits	Unit
Peak reverse voltage DC Reverse Voltage	V_{RRM} V_R	40	V
Mean recitifying current	I_o	0.1	A
Peak forward surge current	I_{FSM}	1	A
Operating and Storage temperature	T_J, T_{STG}	-40 to +125	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}			0.55	V	$I_F=100\text{mA}$
				0.34	V	$I_F=10\text{mA}$
Reverse current	I_R			30	μA	$V_R=10\text{V}$
Capacitanc between terminals	C_T		6.0		pF	$V_R=10\text{V}, f=1\text{MHz}$

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TYPICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified

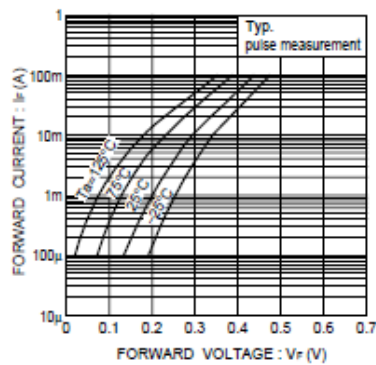


Fig. 1 Forward characteristics

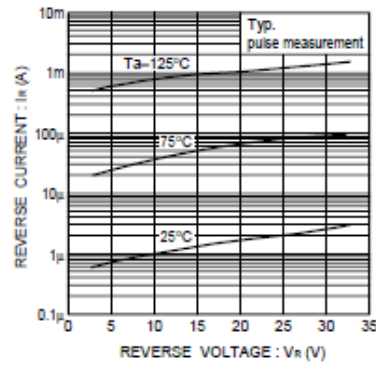


Fig. 2 Reverse characteristics

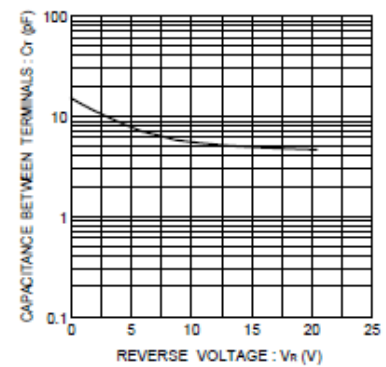


Fig. 3 Capacitance between terminals characteristics

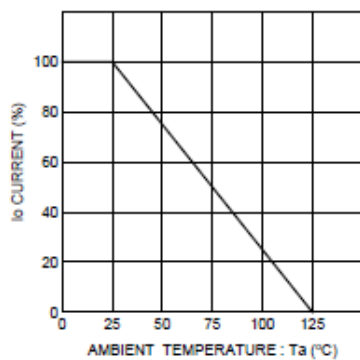


Fig. 4 Derating curve
(mounting on glass epoxy PCBs)

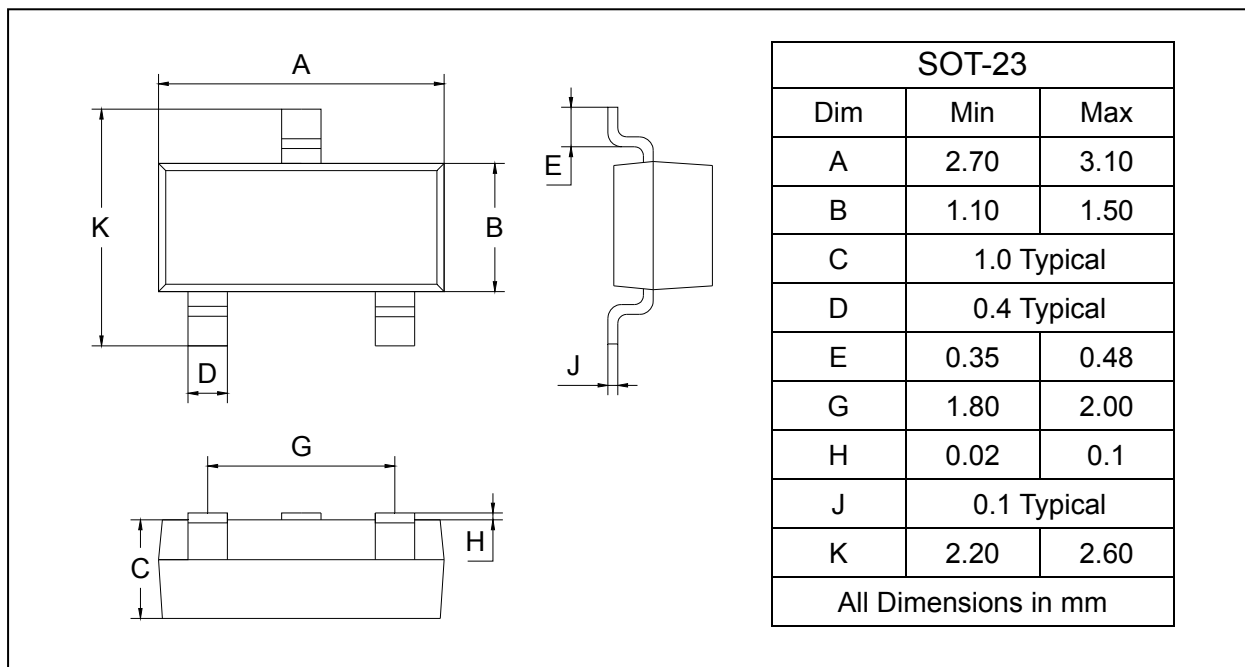
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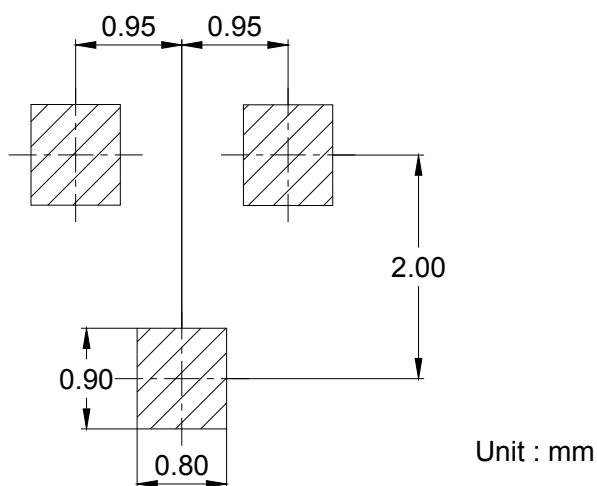
PACKAGE OUTLINE

Plastic surface mounted package

SOT-23



SOLDERING FOOTPRINT



PACKAGE INFORMATION

Device	Package	Shipping
RB425D	SOT-23	3000/Tape&Reel