



Micro Commercial Components



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RB420DS

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
Small surface mounting type
Low reverse current and low forward voltage
High reliability
Marking:D3B

Maximum Ratings

Table with 4 columns: Parameter, Symbol, Value, Unit. Rows include Peak Reverse Voltage, DC Reverse Voltage, Mean Rectifying Current, Peak Forward Surge Current, Junction Temperature, and Storage Temperature.

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 6 columns: Parameter, Symbol, Min., Typ., Max., Unit. Rows include Forward Voltage @ IF=10mA, Reverse Current @ VR=10V, and Capacitance Between Terminals @ VR=10V, f=1MHz.

0.1 Amp Schottky Barrier Rectifier
40 Volts

SOT-23

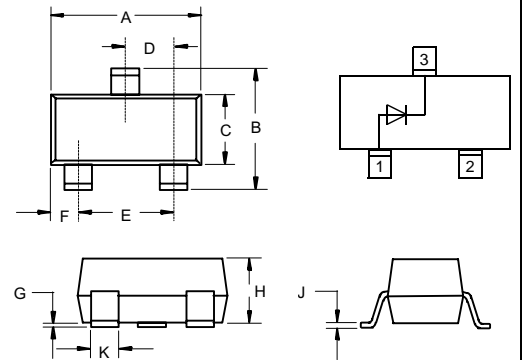
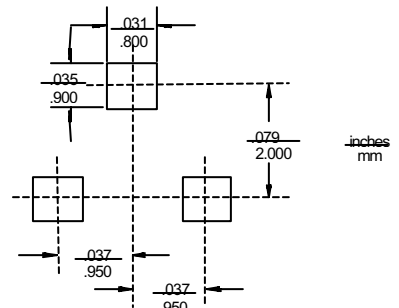


Table titled 'DIMENSIONS' with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. It lists dimensions A through K.

Suggested Solder Pad Layout



RB420DS

Typical Characteristics

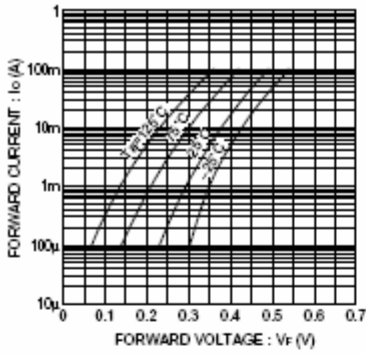


Fig.1 Forward characteristics

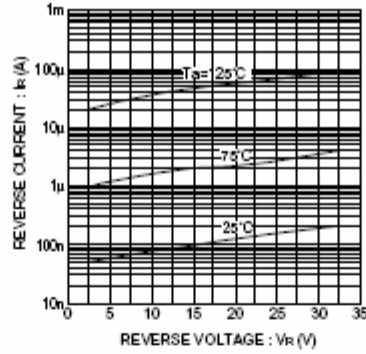


Fig.2 Reverse characteristics

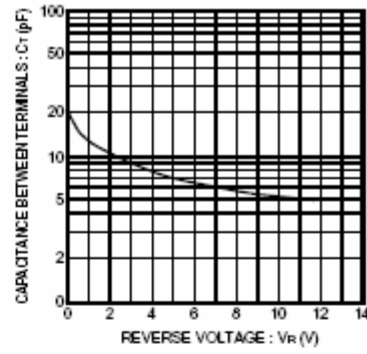


Fig.3 Capacitance between terminals characteristics

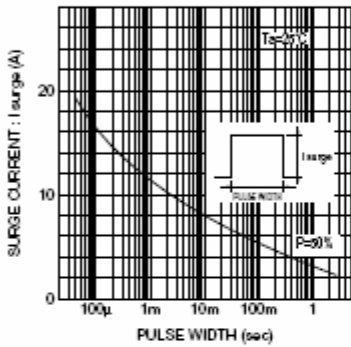


Fig.4 Surge current characteristics

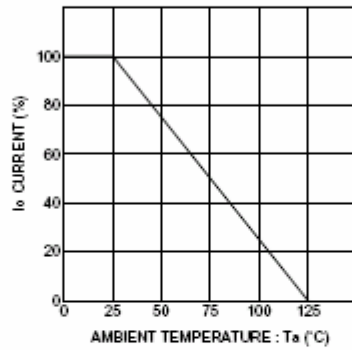


Fig.5 Derating curve (mounting on glass epoxy PCBs)



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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