

These cylindrical mold-type diodes are suitable for lead mounting on printed circuit boards.

Features

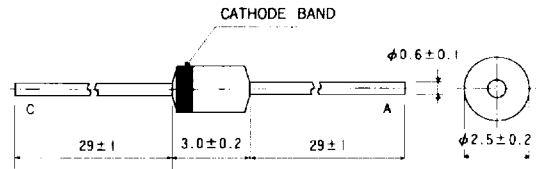
- available in MSR package
- part marking, see following table
- very low forward voltage

Applications

- high frequency rectifying
- power supply switching

Note: Care must be taken when installing and in operation to protect these diodes from static electricity.

Dimensions (Units : mm)



Cathode band color and marking

Part no.	Color	Marking
RB100A	Blue	2R4

Absolute maximum ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Limits	Unit	Conditions
Peak reverse voltage	V_{RM}	40	V	
Mean rectifying current	I_O	1.0	A	
Peak forward surge current	I_{FSM}	40	A	At 60 Hz for 1 cycle
Junction temperature	T_j	125	$^\circ\text{C}$	
Storage temperature	T_{stg}	-40 ~ +125	$^\circ\text{C}$	

Electrical characteristics (unless otherwise noted, $T_a = 25^\circ\text{C}$)

Parameter	Symbol	Min	Typical	Max	Unit	Conditions
Forward voltage	V_F		0.50	0.55	V	$I_F = 1.0 \text{ A}$
Reverse current	I_R		0.002	1	mA	$V_R = 40 \text{ V}$

RB100A Schottky barrier diodes

Electrical characteristic curves

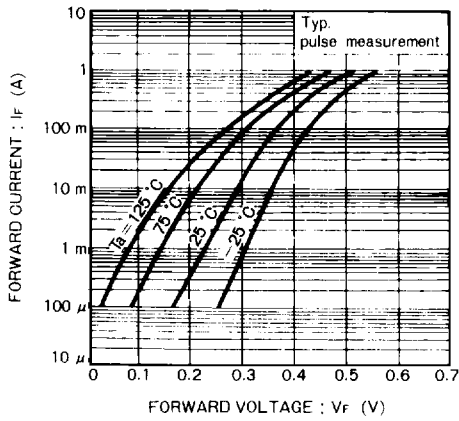


Figure 1

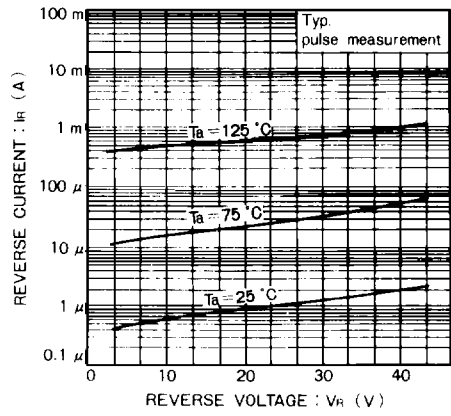


Figure 2

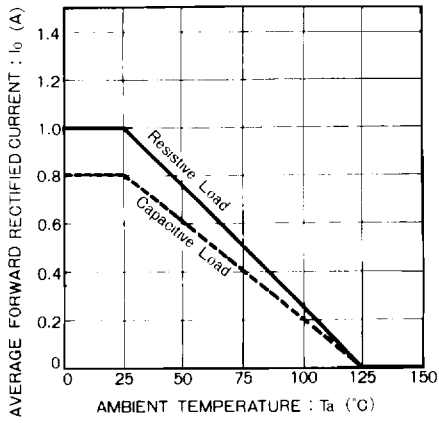


Figure 3