

RB100A

Diode, Schottky barrier, leaded

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

Features

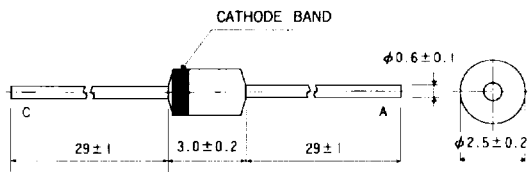
- available in MSR package
- part marking, see following table
- very low forward voltage

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°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	°C	
Storage temperature	T _{stg}	-40 ~ +125	°C	

Electrical characteristics (unless otherwise noted, T_a = 25°C)

Parameter	Symbol	Min	Typical	Max	Unit	Conditions
Forward voltage	V _F		0.50	0.55	V	I _F = 1.0 A
Reverse current	I _R		0.002	1	mA	V _R = 40 V

Electrical characteristic curves

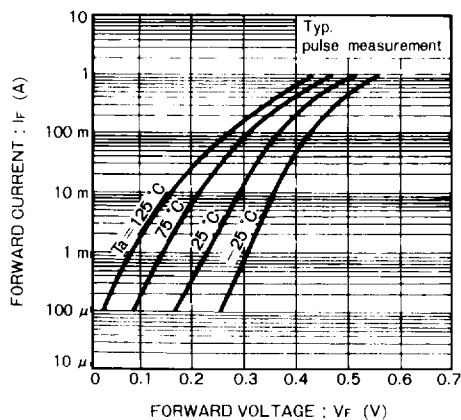


Figure 1

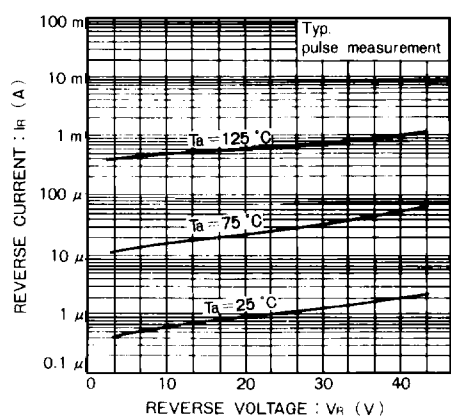


Figure 2

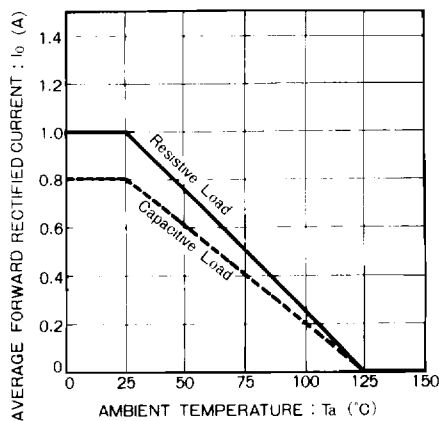


Figure 3