

RB491D

SCHOTTKY BARRIER DIODE

FEATURES

- Low Current Rectification
- Small mold type
- Low I_R
- High Reliability
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MECHANICAL DATA

Case: SOT-23, Plastic

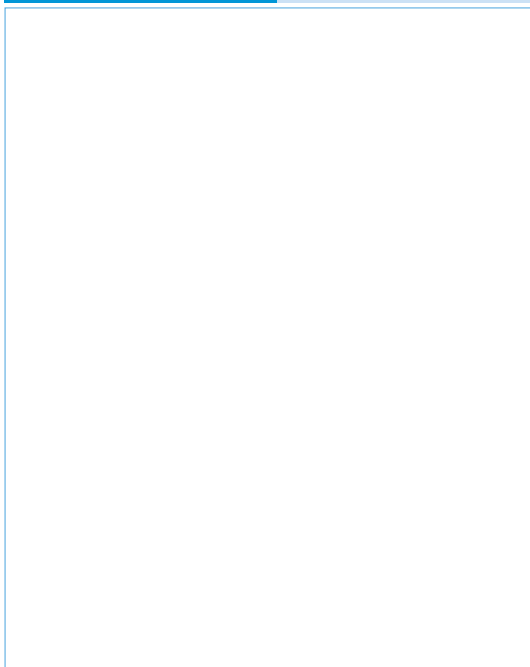
Terminals: Solderable per MIL-STD-750, Method 2026

Approx. Weight: 0.0003 ounces, 0.008 grams

Marking Code: 12D

SOT-23

Unit : inch(mm)



ABSOLUTE MAXIMUM RATINGS ($T_A=25^{\circ}\text{C}$)

Parameter	Symbol	Value	Units
Reverse voltage (reptitive peak)	V_{RM}	25	V
Reverse voltage (DC)	V_R	20	V
Maximum average rectified forward current (Note 1)	I_O	1	A
Forward current surge peak (60Hz · 1cyc)(Note 1)	I_{FSM}	3	A
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to +125	$^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}\text{C}$)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V_F	$I_F=1\text{A}$	-	-	0.45	V
Reverse current	I_R	$V_R=20\text{V}$	-	-	200	μA

Note : 1.Rating of per diode

