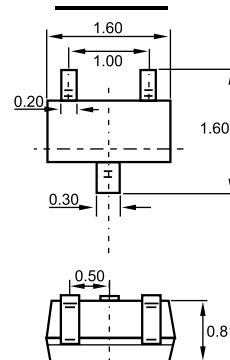


SOT-523



Features

- ✧ Ultra small mold type.
- ✧ Low V_F .
- ✧ High reliability.

Applications

- ✧ Low current rectification.

Dimensions in inches and (millimeters)

Ordering Information

Type No.	Marking	Package Code
RB715W	3D	SOT-523

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

Symbol	Parameter	Value	Units
V_{RM}	Repetitive peak reverse voltage	40	V
V_R	DC reverse voltage	40	V
I_O	Average rectified forward current	30	mA
I_{FSM}	Forward current surge peak(60Hz.1cyc)	200	mA
P_d	Power dissipation	150	mW
T_j, T_{stg}	Junction and Storage Temperature	-40~125	$^\circ\text{C}$

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

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse current	I_R	$V_R=10\text{V}$		1	μA
Forward voltage	V_F	$I_F=1\text{mA}$		0.37	V
Capacitance between terminals	C_T	$V_R=1.0\text{V}, f=1.0\text{MHz}$	2.0		pF

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

