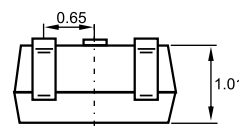
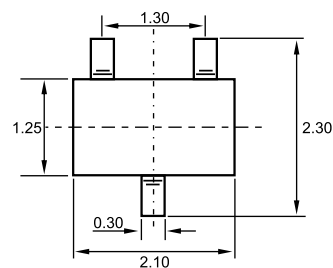


SOT-323



Dimensions in inches and (millimeters)

Features

- ✧ High reliability type.
- ✧ Low V_F .
- ✧ High reliability.

Applications

- ✧ Low current rectification.

Ordering Information

Type No.	Marking	Package Code
RB717F	3E	SOT-323

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

Characteristic	Symbol	Limits	Unit
Repetitive peak reverse Voltage	V_{RM}	40	V
DC Reverse Voltage	V_R	40	V
Average rectified forward current	I_O	30	mA
Forward current surge peak(60Hz.1cyc)	I_{FSM}	200	mA
Power Dissipation	P_d	200	mW
Operating Junction Temperature Range	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-45 to +125	$^\circ\text{C}$

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

Characteristic	Symbol	Min	TYP	MAX	UNIT	Test Condition
Forward Voltage	V_F	-		0.37	V	$I_F=1.0\text{mA}$
Reverse Leakage Current	I_R	-		1.0	μA	$V_R=10\text{V}$
Diode Capacitance	C_D	-	2.0		pF	$V_R=1.0\text{V}, f=1\text{MHz}$

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

