

DA204U

SWITCHING DIODE

VOLTAGE 20 Volt **POWER** 200 mWatt

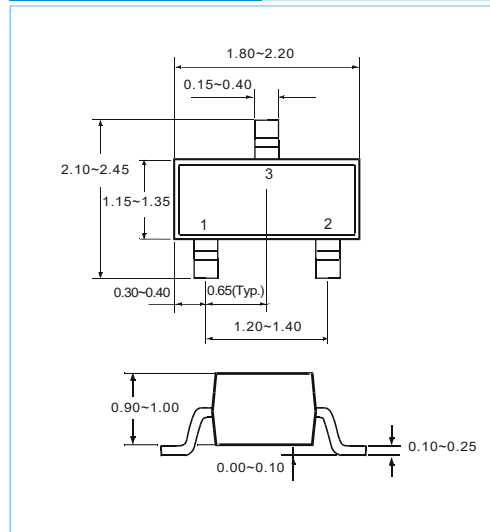
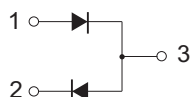
SOT-323 Unit:mm

FEATURES

- Bias circuits
- Protection circuits
- High Conductance
- Lead free in compliance with EU RoHS
- Marking code: K

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



MAXIMUM RATINGS ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

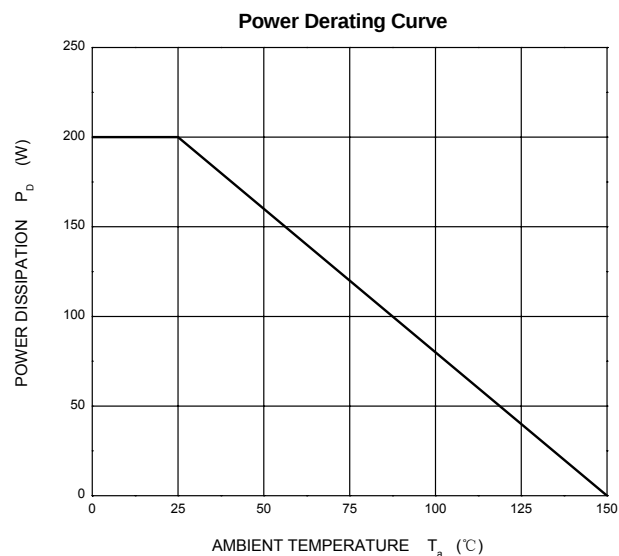
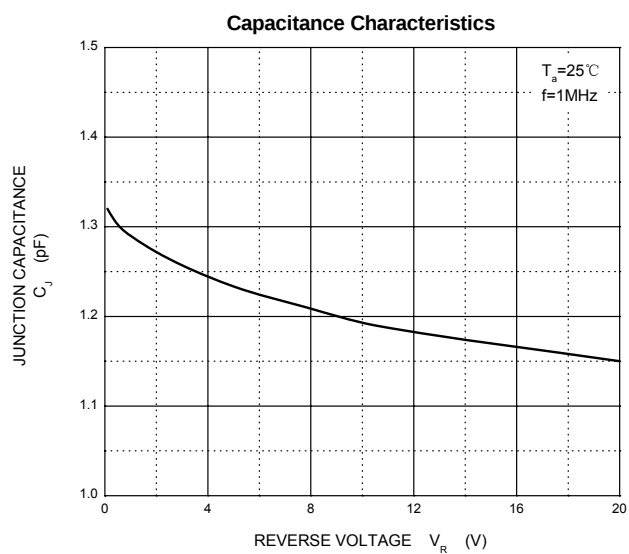
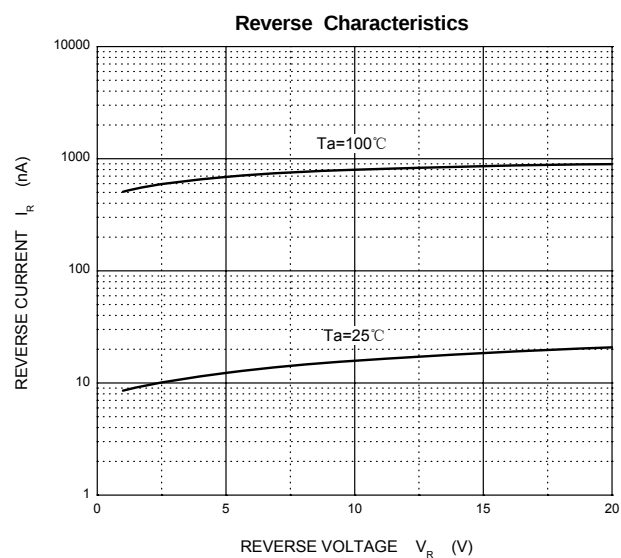
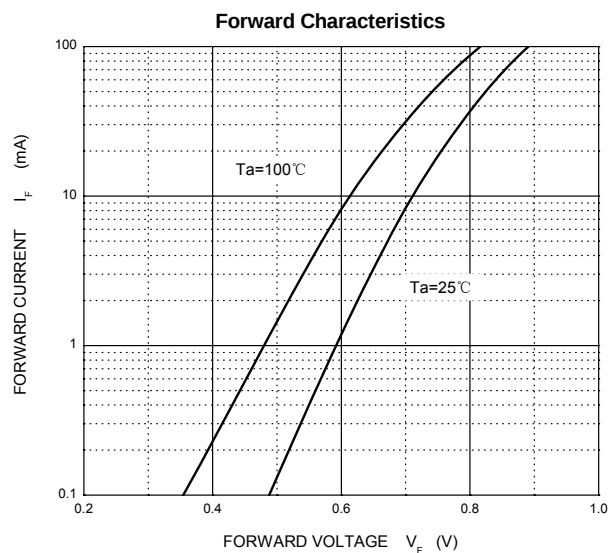
Parameter	Symbol	Limit	Unit
Reverse Voltage	V_R	20	V
Continuous Forward Current	I_O	100	mA
Peak Forward Current	I_{FM}	100	mA
Non-Repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$	I_{FSM}	2.0	A
Power Dissipation	P_D	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	625	$^{\circ}\text{C}/\text{W}$
Junction Temperature	T_J	150	$^{\circ}\text{C}$
Storage Temperature range	T_{STG}	-55~+150	$^{\circ}\text{C}$

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

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse breakdown voltage	V_R	20			V	$I_R=100\mu\text{A}$
Forward voltage	V_F			1.0	V	$I_F=10\text{mA}$
Reverse current	I_R			0.1	μA	$V_R=15\text{V}$

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Typical Characteristics

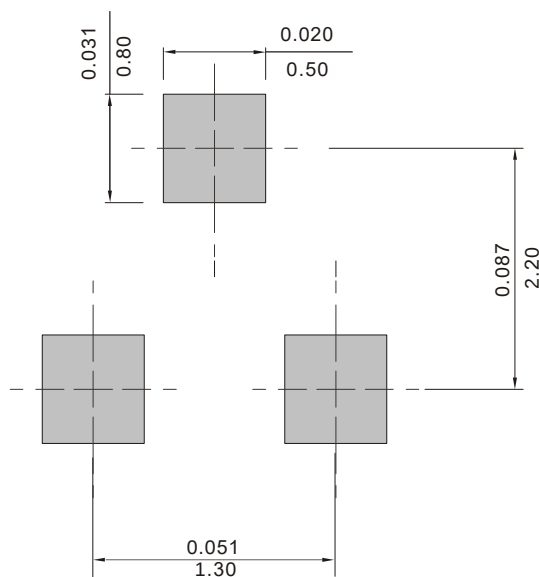


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MOUNTING PAD LAYOUT

SOT-323

Unit:Inch(mm)



ORDER INFORMATION

- Packing information

Part Number	Case	Reel Size	QUANTITY
DA204U	SOT-323	7 Inch	3000