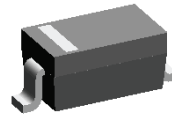


**Switching Diode - 70V****PRIMARY CHARACTERISTICS**

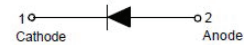
V_R	70V
I_F	200mA
V_F ($I_F=100mA$)	1.1V
$T_{J,Max}$	150°C

SOD-323

PACKAGE

**FEATURES**

- We declare that the material of product compliance with RoHS requirements and Halogen Free.

**MAXIMUM RATINGS($T_a = 25^\circ\text{C}$)**

Parameter	Symbol	Limits	Unit
Reverse Voltage	VR	70	V
Forward Current	IF	200	mA
Peak Forward Surge Current	IFMS	500	mA

THERMAL CHARACTERISTICS

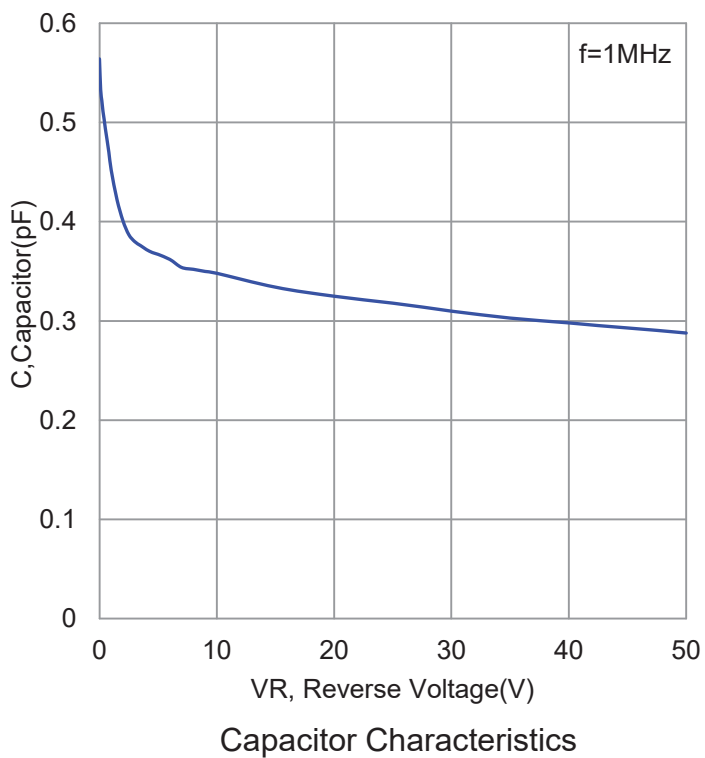
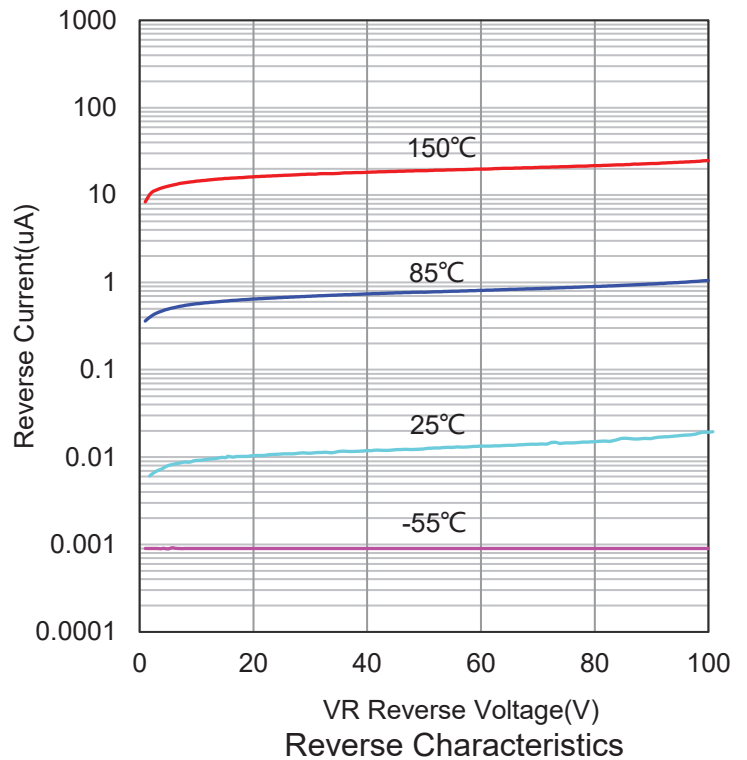
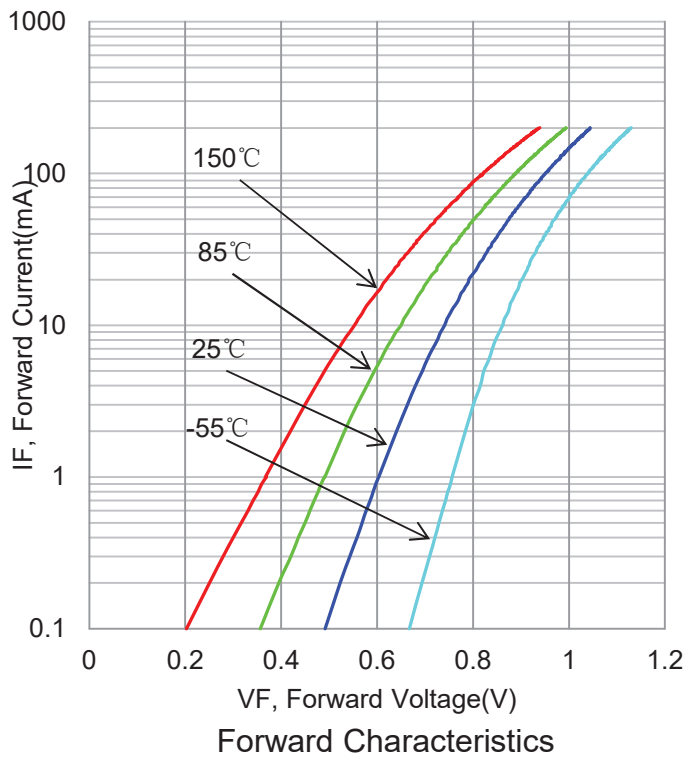
Parameter	Symbol	Limits	Unit
Total Device Dissipation, FR-4 Board (Note 1) @ $T_A = 25^\circ\text{C}$ Derate above 25°C	PD	200 1.57	mW mW/°C
Thermal Resistance, Junction-to-Ambient(Note 1)	R θ JA	635	°C/W
Junction and Storage temperature	TJ,Tstg	-55~+150	°C

1. FR-4 = 1.0×0.75×0.062 in.

**ELECTRICAL CHARACTERISTICS (Ta= 25°C)**

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage (IR = 100μA)	VBR	70	-	-	V
Reverse Voltage Leakage Current (VR = 50V)	IR	-	-	0.1	μA
Diode Capacitance (VR = 0, f = 1.0 MHz)	CT	-	-	2.5	pF
Forward Voltage (IF = 1 mA) (IF = 100 mA)	VF	- -	0.55 0.85	0.7 1.1	V
Reverse Recovery Time (IF = IR = 10 mA)	trr	-	-	4	ns

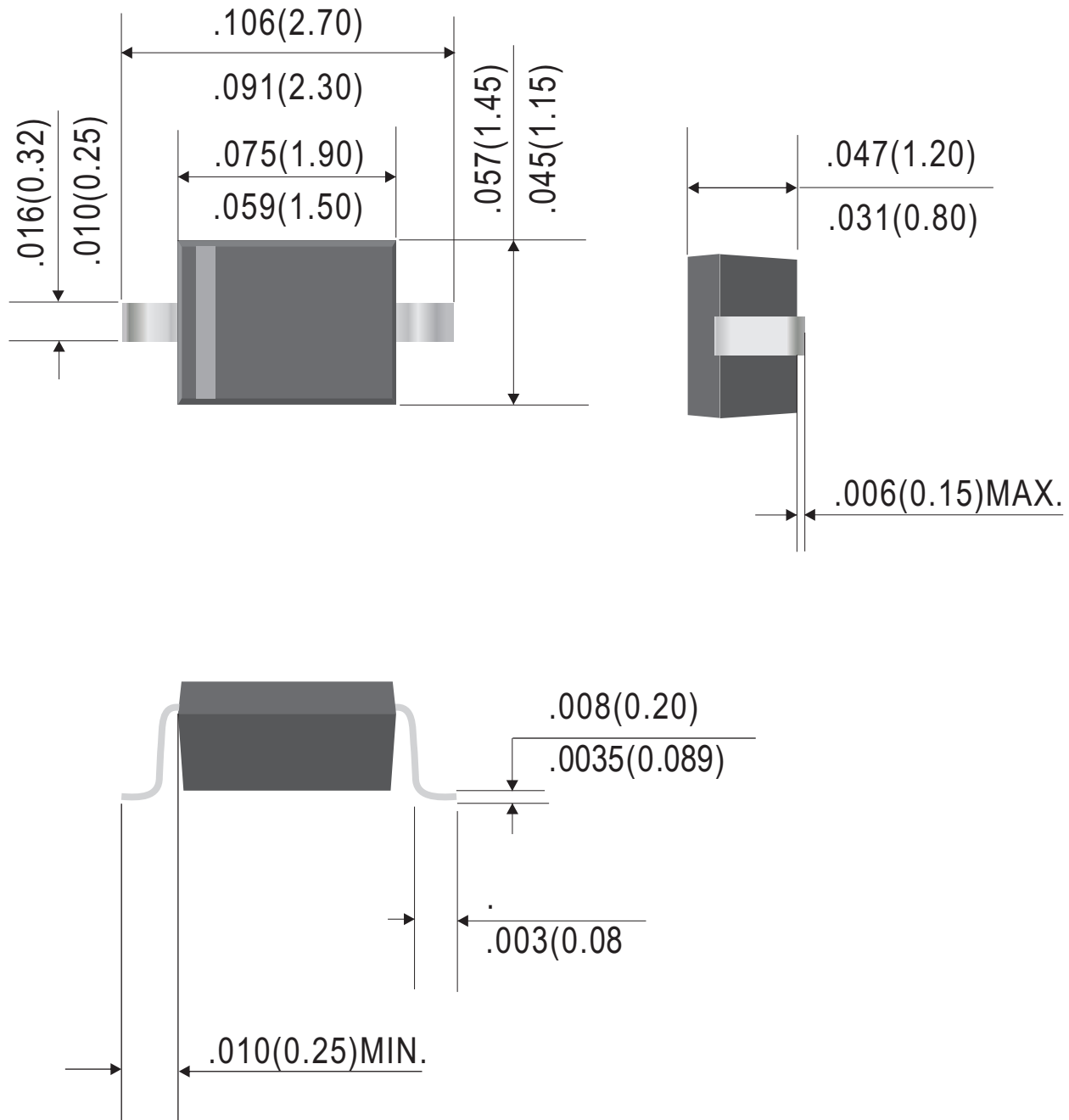
▼

**Switching Diode - 70V****ELECTRICAL CHARACTERISTICS CURVES**



Outline Drawing

SOD-323(L)



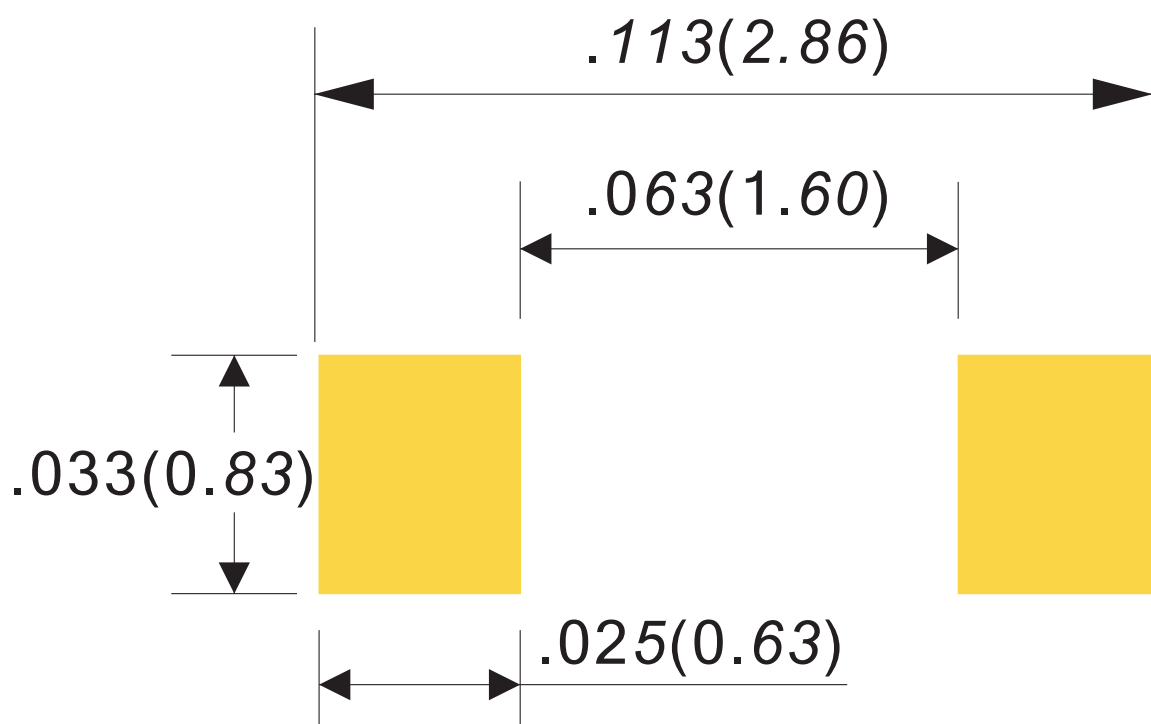
Dimensions in inches and (millimeters)

Rev.A



Suggested Soldering Pad Layout

SOD-323(L)



Dimensions in inches and (millimeters)

RevA

Ordering Information:

Device PN	Marking ⁽⁴⁾	Packing
MMDL6050-T ⁽¹⁾ H ⁽²⁾ -WS ⁽³⁾	5A	Tape&Reel: 3 Kpcs/Reel

Note: (1) Packing code, Tape & Reel Packing

(2) Packing code suffix "G" for RoHS product ; Packing code Suffix "H" for halogen free product.
All materials and products supplied comply with the U.S. Toxic Substances Control Act statement, PBT Chemicals.

(3) Willas brand abbreviation, Label Type does not display

(4) There may be additional marking, which relates to the lot trace code information (data code and vendor code), the logo or the environmental category on the device

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