

GESLC5VD3

ESD Protection Diode

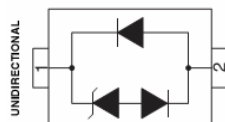
VOLTAGE 5 Volt

FEATURES

- 350W peak pulse power (8/20 us)
- Low clamping voltage
- IEC 61000-4-2 $\pm 15\text{KV}$ air, $\pm 8\text{KV}$ contact
- Lead free in compliance with EU RoHS

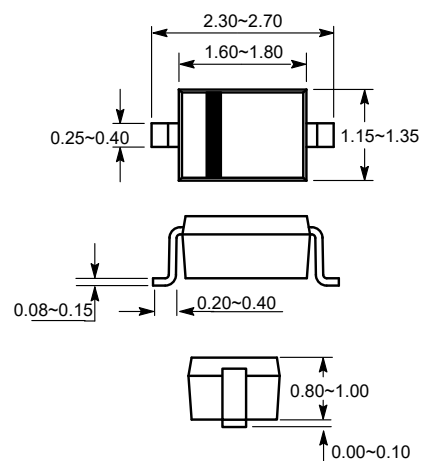
MECHANICAL DATA

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



Schematic Diagram

SOD-323 Unit:mm



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

Parameter	Symbol	Value	Unit
Peak Pulse Power ($T_P=8/20\mu\text{S}$)	P_{PP}	350	W
Junction Temperature	T_J	-55 to +150	$^\circ\text{C}$
Storage temperature	T_{STG}	-55 to +150	$^\circ\text{C}$

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

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Reverse stand-off Voltage	V_{RWM}				5	V
Reverse Breakdown Voltage	V_{BR}	$I_T=1\text{mA}$	6.0			V
Reverse Leakage Current	I_R	$V_R=5\text{V}$			5	μA
Clamping Voltage	V_C	$I_{PP}=1.0\text{A}$			9.8	V
	V_C	$I_{PP}=21\text{A}$			32	V
Junction Capacitance	C_J	$V_R=0\text{V}, f=1\text{MHz}$		5		pF

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Characteristic Curves

FIGURE 1
PEAK PULSE POWER VS PULSE TIME

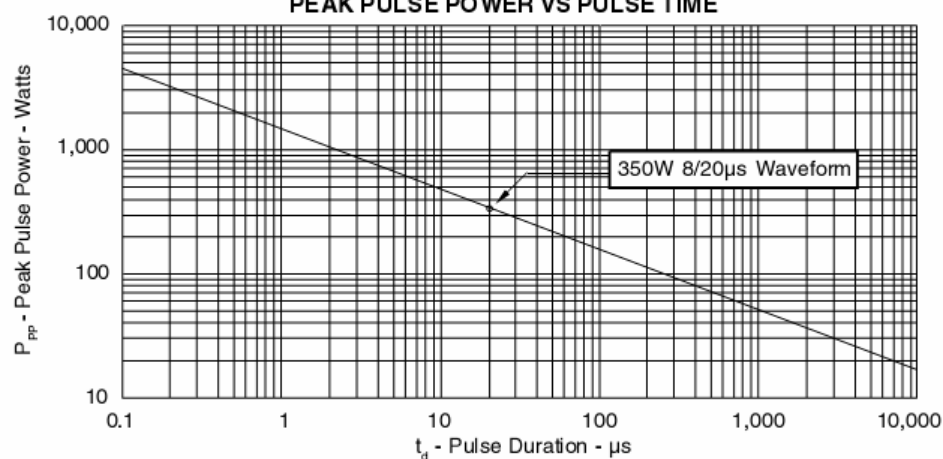
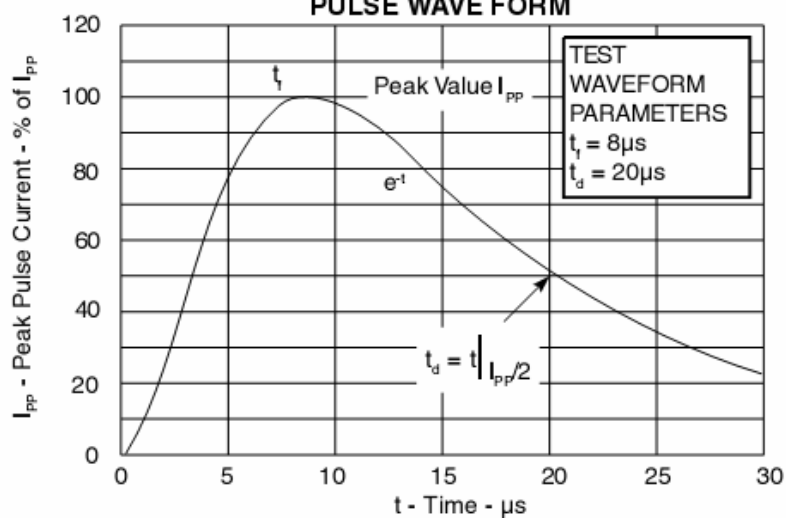


FIGURE 2
PULSE WAVE FORM

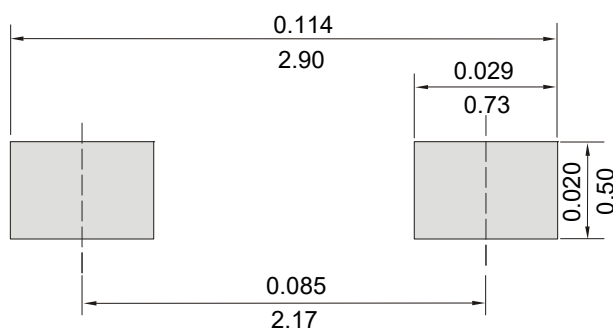


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MOUNTING PAD LAYOUT

SOD-323

Unit:Inch(mm)



ORDER INFORMATION

- Packing information

Part Number	Case	Reel Size	QUANTITY
GESLC5VD3	SOD-323	7 Inch	3000