

HxxxD3xVxB Series

Bi-directional ESD Protection Diodes	Peak Pulse Power - 350 Watts	Peak Pulse Power - 350 Watts						
Description The HxxxD3xVxB series has been specifically designed to sensitive components which are connected to power data an transmission lines from overvoltage caused by ESD (electros discharge)	eCase Material: "Green" Molding Compound UL Flammability	SOD323 Package Iaterial: "Green" Molding Compound UL Flammability ation Rating 94V-0						
Features • 1 Channel of ESD Protection (Bi-directional) • Peak Pulse Power :Ppk = 350W (tp=8/20 us) • Reverse Working Voltage : 3.3V thru 36V • Low Leakage Current • Low Clamping Voltage • IEC 61000-4-2 (ESD) :±27kV(Contact) / ±30kV(Air)	 Component in accordance to RoHS Halogen Free Note: Products with logo or by are made by HY Electronic (Cayman) Limited. Ordering Information Package :SOD323 Reel Size :7 (inches) Quantity Per Reel :3,000/Tape & Reel 							
 Applications Computers and peripherals Communication system Notebooks, desktops & servers Portable electronics Cellular handsets and accessories 	 Quantity One Box :45,000/Tape & Reel Quantity One Carton :180,000/Tape & Reel Quantity One Carton :180,000/Tape & Reel Marking Information Marking Code "2A" =3.3V Product Type Marking Code "2B" =5V Product Type Marking Code See marking code of Page 2 							
Package Outline Device Schematic & PIN Configuration Image: Sob								
	⇒ specified.)							
Maximum Ratings (@TA = +25°C, unless otherwise	e specified.)							
	e specified.) Symbol Value	Unit						
Maximum Ratings (@TA = +25°C, unless otherwise Absolute Ratings Parameter Peak Pulse Power Dissipation (8/20 us)		Unit W						
Maximum Ratings (@TA = +25°C, unless otherwise Absolute Ratings Parameter Peak Pulse Power Dissipation (8/20 us)	Symbol Value PPP 350 ±27 1	W						
Maximum Ratings (@TA = +25°C, unless otherwise Absolute Ratings Parameter Peak Pulse Power Dissipation (8/20 us) ESD Protection- Contact (Standard IEC 61000-4-2)	Symbol Value PPP 350	_						
Maximum Ratings (@TA = +25°C, unless otherwise Absolute Ratings	Symbol Value PPP 350 VESD ±27	W						
Maximum Ratings (@TA = +25°C, unless otherwise Absolute Ratings Parameter Peak Pulse Power Dissipation (8/20 us) ESD Protection- Contact (Standard IEC 61000-4-2) ESD Protection- Air (Standard IEC 61000-4-2)	SymbolValuePPP350 V_{ESD} ± 27 ± 30 ± 30	W k V						

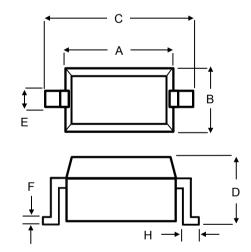
HxxxD3xVxB*-7-99-01 Rev-0, 25-Apr-2021

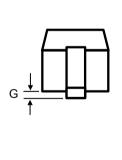


Maximum Ratings (@TA = +25°C, unless otherwise specified.)

Part Number	Marking Code	Reverse Working Voltage(Max)	Reverse Breakdown Voltage(Min)		Reverse Clamping Voltage(Max) Vc(V)	Reverse Clamping Voltage(Max)	Peak Pulse Current(Max)	Junction Capacitance(Typ)
		Vrwm(V)	Vв(V) @Iт=1mA	Ir(uA) @Vr=Vrwm	@IPP=1A	Vc(V) @Ipp=Max.	IPP(A)	Cj(pF) @Vr=0V,F=1MHz
H20D33V3B	2A	3.3	4	40	7.5	16	20	450
H17D35V0B	2B	5	6	10	9.8	18	17	200
H15D38V0B	2C	8	8.5	2	13.4	24	15	120
H11D312VB	2D	12	13.3	1	19	32	11	75
H10D315VB	2J	15	16.7	1	24	38	10	68
H09D318VB	2К	18	20	1	29	45	9	57
H08D320VB	2L	20	22.3	1	35	50	8	52
H07D324VB	2H	24	26.7	1	43	52	7	50
H4A5D336VB	2N	36	40	1	60	75	4.5	35

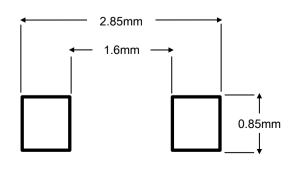
Package Outline Dimensions





SOD323 Package						
Dim	Min	Max				
А	1.6	1.8				
В	1.2	1.4				
С	2.5	2.7				
D	-	1.0				
E	0.25	0.35				
F	0.08	0.15				
G	-	0.1				
Н	0.25	0.4				
All Dimensions in mm						

Suggested Soldering Pad Layout

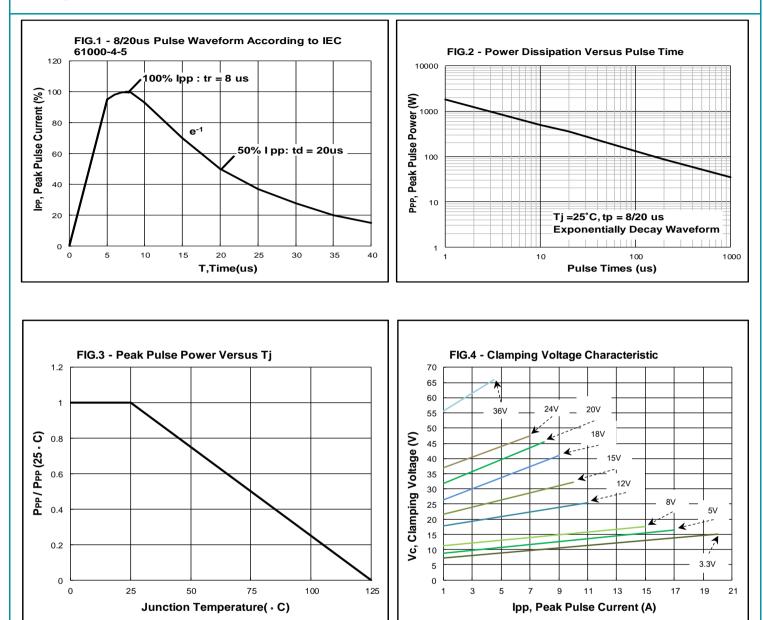


HxxxD3xVxB*-7-99-01 Rev-0, 25-Apr-2021



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Rating and Characteristic Curves



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