

Storage Temperature Range

Soldering Temperature, t max =10s

HxxC32xVx Series

Uni-directional ESD Protection Array	Peak Pulse Power - 350 Watts Reverse Working Voltage - 3.3V thru 36V				
Description The HxxC32xVx series has been specifically designed to protect sensitive components which are connected to power,data and transmission lines from overvoltage caused by ESD(electrostatic discharge).	●Case: SC ●Case Mat Classificati	ical Data T23 Package erial: "Green" Molding Compound UL Flammability on Rating 94V-0			
	 Terminals:Matte tin plated,solderable per MIL-STD-750, method 2026 Component in accordance to RoHS Halogen Free 				
Features	Note: Products with logo				
Two Uni-directional of ESD Protection	are made by HY Electronic (Cayman) Limited.				
• Peak Pulse Power :Ppp = 350W (tp=8/20 us)		,			
• Reverse Working Voltage : 3.3V thru 36V	Ordering Information				
Low Leakage Current	Package :SOT23				
Low Clamping Voltage	•Reel Size :7 (inches)				
• IEC 61000-4-2 (ESD) :±27kV(Contact) / ±30kV(Air)	•Quantity Per Reel :3,000 pcs				
	•Quantity One Box :45,000 pcs				
Applications	•Quantity One Carton :180,000 pcs				
Communication system	-				
Computers and peripherals	Marking	Information			
Cellular handset and accessories					
Portable electronics		Marking Code			
	"M03" =3.3V Product Type Marking Code				
	"M05" =5V Product Type Marking Code				
	See marking code of Page 2				
Package Outline	Device Schematic & PIN Configuration				
SOT23 Top View					
Maximum Ratings (@TA = +25°C, unless otherwise spec	ified.)				
Absolute Ratings					
Parameter	Symbol	Value	Unit		
Peak Pulse Power Dissipation (8/20 us)	Ppp	350	W		
ESD Protection- Contact (Standard IEC 61000-4-2)		±27			
ESD Protection- Air (Standard IEC 61000-4-2)	Vesd	±30	k V		
Operating Temperature Range	ТJ	-55 to +125	° C		
- · · -					

Tstg

ΤL

°C

°C

-55 to +150

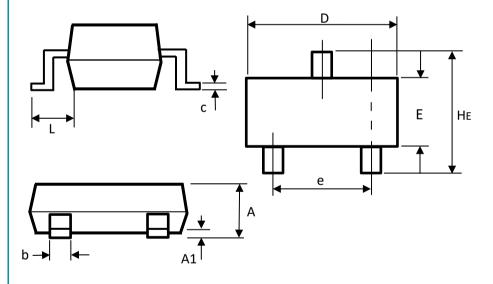
260



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

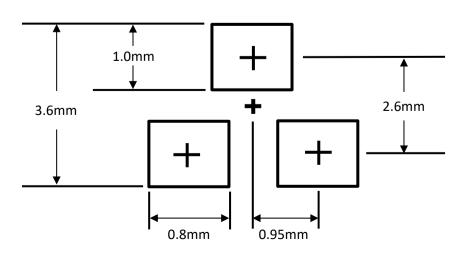
Part Number	Marking Code	Reverse Working Voltage(Max)	Reverse Breakdown Voltage(Min) VB(V)	Reverse Current(Max) IR(uA)	Reverse Clamping Voltage(Max) Vc(V)	Reverse Clamping Voltage(Max) Vc(V)	Peak Pulse Current(Max)	Junction Capacitance (Max) Cj(pF) @VR=0V,
		Vrwm(V)	@l⊤=1mA	@Vr=Vrwm	@IPP=1A	@IPP=Max.	IPP(A)	F=1MHz
H20C323V3	M03	3.3	4	40	7	17.5	20	450
H17C325V0	M05	5	6	10	9.8	20.5	17	300
H15C328V0	M08	8	8.5	2	13.4	23.5	15	240
H11C3212V	M12	12	13.3	1	19	32	11	130
H10C3215V	M15	15	16.7	1	24	35	10	120
H09C3218V	M18	18	20	1	29	39	9	100
H08C3220V	M20	20	22.3	1	35	44	8	90
H07C3224V	M24	24	26.7	1	43	52	7	80
H05C3236V	M36	36	40	1	60	71	5	60

Package Outline Dimensions



SOT23 Package					
Dim	Min Max				
А	0.89	1.11			
A1	0.01	0.10			
b	0.37	0.50			
С	0.09	0.18			
D	2.80	3.04			
E	1.20	1.40			
е	1.78	2.04			
L	0.35	0.69			
HE	2.10	2.64			
All Dimensions in mm					

Suggested Soldering Pad Layout

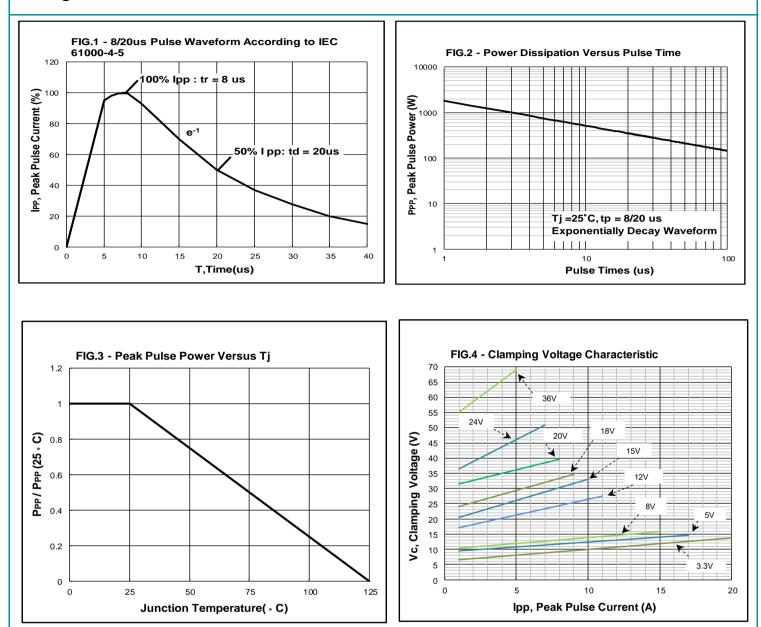


Rev-1, 10-Jan-2022



HxxC32xVx Series

Rating and Characteristic Curves



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All specifications and data are subject to be changed without notice to improve reliability function or design or other reasons.

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