

Maximum Ratings and Thermal Characteristics ($T_A = 25^{\circ}C$ unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNITS	
Peak Pulse Power Dissipation(tp = 10/1000 us)	P _{PP} ^(1,2)	150	W	
Peak Pulse Current on tp = 10/1000 us waveform ^(Fig.2)	I _{PPM} ⁽¹⁾	See table 1	А	
ESD IEC61000-4-2(Air)		±30	kV	
ESD IEC61000-4-2(Contact)	V _{ESD}	±30		
Typical Thermal Resistance Junction to Ambient	$R_{ extsf{ heta}JA}^{(3)}$	300	°C/W	
Operating Junction Temperature Range	TJ	-55~150	°C	
Storage Temperature Range	T _{STG}	-55~150	°C	



P1CH3.3A ~ P1CH36A Series

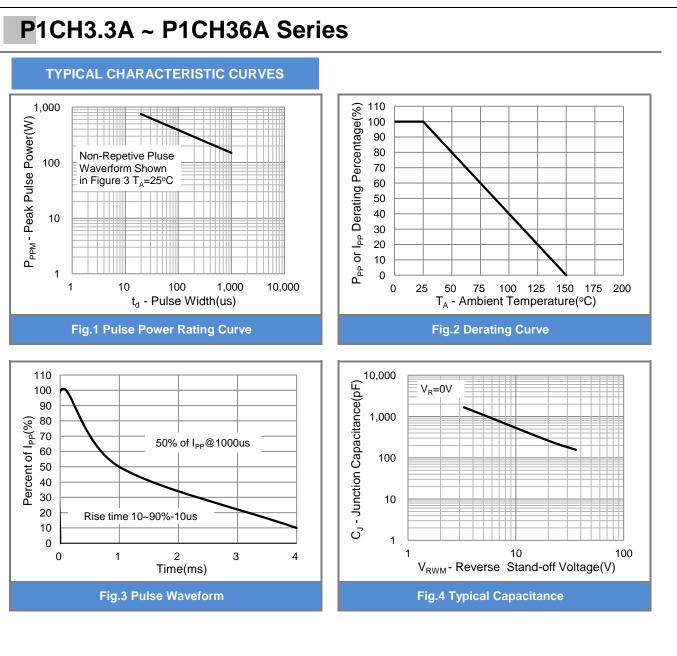
Electrical Characteristics ($T_A = 25^{\circ}C$ unless otherwise noted)

Part Number		V _{BR}							
	V _{RWM}	Min.	Max.	Ι _Τ	I _R @V _{RWM}	V _C @I _{PP}		Marking	
	V	V	V	mA	uA	V	А	Code	
150W Transient Voltage Suppressor									
P1CH3.3A	3.3	5.2	6	10	50	8.5	17.6	2E1	
P1CH5.0A	5	6.4	7	10	5	9.2	16.3	2E2	
P1CH6.0A	6	6.67	7.37	10	5	10.3	14.5	2E3	
P1CH6.5A	6.5	7.22	7.98	10	4	11.2	13.4	2E4	
P1CH7.0A	7	7.78	8.6	10	4	12	12.5	2E5	
P1CH7.5A	7.5	8.33	9.21	1	3	12.9	11.6	2E6	
P1CH8.0A	8	8.89	9.83	1	2	13.6	11	2E7	
P1CH8.5A	8.5	9.44	10.4	1	2	14.4	10.4	2E8	
P1CH9.0A	9	10	11.1	1	1	15.4	9.7	2E9	
P1CH10A	10	11.1	12.3	1	1	17	8.8	2EA	
P1CH11A	11	12.2	13.5	1	1	18.2	8.2	2EC	
P1CH12A	12	13.3	14.7	1	1	19.9	7.5	2ED	
P1CH13A	13	14.4	15.9	1	0.5	21.5	7	2EE	
P1CH14A	14	15.6	17.2	1	0.5	23.2	6.5	2EF	
P1CH15A	15	16.7	18.5	1	0.5	24.4	6.1	2EH	
P1CH16A	16	17.8	19.7	1	0.5	26	5.8	2EJ	
P1CH17A	17	18.9	20.9	1	0.5	27.6	5.3	2EK	
P1CH18A	18	20	22.1	1	0.5	29.2	5.1	2EL	
P1CH20A	20	22	24.5	1	0.5	32.4	4.6	2EM	
P1CH22A	22	24.4	26.9	1	0.5	35.5	4.2	2EN	
P1CH24A	24	26.7	29.5	1	0.5	38.9	3.9	2EP	
P1CH26A	26	28.9	31.9	1	0.5	42.1	3.6	2ER	
P1CH28A	28	31.1	34.4	1	0.5	45.4	3.3	2ET	
P1CH30A	30	33.3	36.8	1	0.5	48.4	3.1	2EU	
P1CH33A	33	36.7	40.6	1	0.5	53.3	2.8	2EV	
P1CH36A	36	40	44.2	1	0.5	58.1	2.6	2EW	

NOTES:

- 1. Non-repetitive current pulse, per Fig.3 and derated above $T_A = 25^{\circ}C$ per Fig.2
- 2. Mounted on a FR-4 PCB, single-sided copper, with 100cm² copper pad area
- 3. Mounted on a FR4 PCB, single-sided copper, mini pad
- 4. TVS is a transient protection device, it is strongly recommended not to use as a Zener.





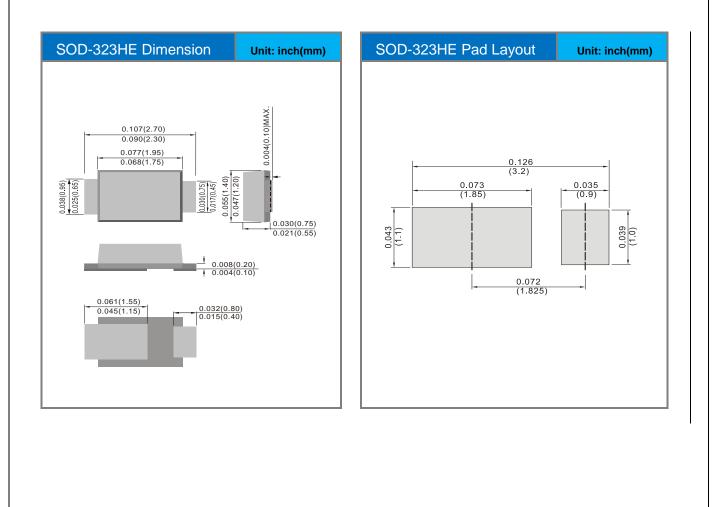


P1CH3.3A ~ P1CH36A Series

Part No Packing Code Version

Part No Packing Code	Package Type	Packing Type	Marking	Version
P1CHxxxA_R1_00001	SOD-323HE	5K pcs / 7" reel	See Table	Halogen free

Packaging Information & Mounting Pad Layout





P1CH3.3A ~ P1CH36A Series

Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments requiring high level of reliability or relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, transportation equipment, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.