imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth Chatsworth, CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

Features

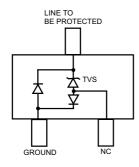
- High Power Rating
- Low Capacitance
- Stand-off Voltage:5V
- Low leakage
- Low clamping voltage
- 650W peak pulse power (tp=8/20us)
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Junction Temperature: -55°C to +150°C
- StorageTemperature: -55°C to +150°C

Parameter		Symbol	Limits	unit	
IEC61000-4-2(ESD)	Air Contact		±25 ±25	KV	
Peak Pulse Power (tp=8/20µs)		Pd	650	W	

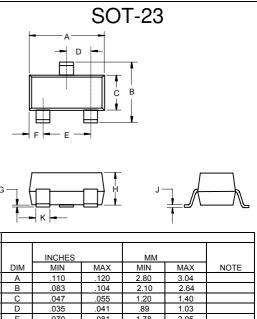
Pin Configuration-Top View

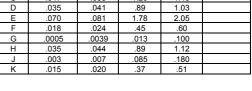


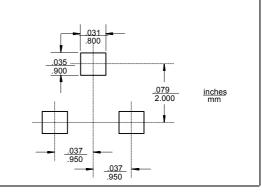
Marking Code: V5C1

ESDLC5V0C2

5Volts ESD Protection Devices







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ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Between (I/O to GND)						
Reverse stand off voltage	V _{RWM} (1)				5	V
Reverse leakage current	I _R	V _{RWM} =5V			1	μA
Breakdown voltage	V _(BR)	I⊤=1mA	6		8	V
Forward voltage	V _F	I _F =10mA			0.9	V
Clamping voltage	V _C (2)	I _{PP} =25A			26	V
Junction capacitance	CJ	V _R =0V,f=1MHz		1.3	2	pF

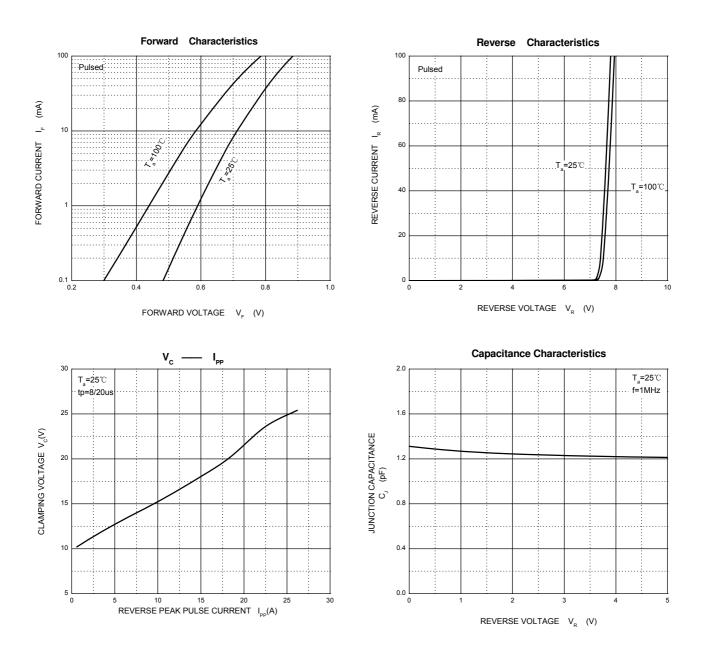
(1). Other voltages available upon request.

(2).Non-repetitive current pulse 8/20µs exponential decay waveform according to IEC61000-4-5

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TYPICAL CHARACTERISTICS



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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