

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!



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Micro Commercial Components

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US1ML

Features

- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- · Glass passivated chip
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 25K/W Junction To Lead

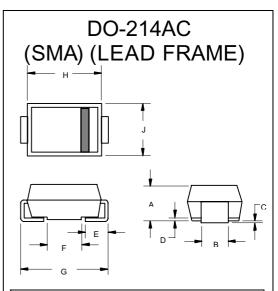
MCC	Device	Maximum	Maximum	Maximum
Catalog	Marking	Recurrent	RMS	DC
Number		Peak Reverse	Voltage	Blocking
		Voltage		Voltage
US1ML	US1ML	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

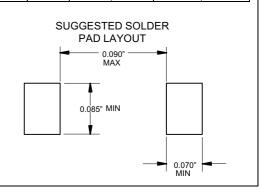
Average Forward Current	I _{F(AV)}	1.0A	T _L = 110°C
Peak Forward Surge Current	I _{FSM}	30A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V _F	1.5V	I _{FM} = 1.0A; T _J = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	5μA 100μA	T _A = 25°C T _A = 100°C
Maximum Reverse Recovery Time	T _{rr}	120ns	I _F =0.5A, I _R =1.0A, I _{rr} =0.25A
Typical Junction Capacitance	С	8pF	Measured at 1.0MHz, V _R =4.0V

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes $\,$ 7.

1 Amp Ultra Fast Rectifier 1000 Volts



Dimensions							
	INCHES		ММ				
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	.079	.096	2.00	2.44			
В	.050	.064	1.27	1.63			
С	.002	.008	.05	.20			
D		.02		.51			
E	.030	.060	.76	1.52			
F	.065	.091	1.65	2.32			
G	.189	.220	4.80	5.59			
Н	.157	.181	4.00	4.60			
J	.090	.115	2.25	2.92			





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Ordering Information:

Device	Packing		
Part Number-TP	Tape&Reel: 5Kpcs/Reel		

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

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