

四川旭茂微科技有限公司 Sichuan Xu Mao Micro Technology Co., Ltd

# K24 THRU K220

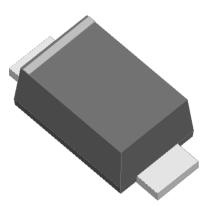
### Schottky Diodes Reverse Voltage-40to200v Forward current-2A

#### Features

Schottky chip Ldeal for surface mounted applications Low forward voltage drop,Low power loss, high efficiency Plastic Case Material has UL Flammability

#### Mechanical Data

Package: SOD123FL Terminals:Tin Plated leads, solderable per Mil-STD-750 Method 2026 Polarity: As marked Molding compound meets UL 94 V-0 flammability rating, ROHS-compliant





#### Maximum Ratings (Ta=25℃ Unless otherwise specified)

Type Number	SYMBOL	K24	K26	K28	K210	K215	K220	Umit
Maximum Recurrent Peak Reverse Voltage		40	60	80	100	150	200	V
Maximum RMS Voltage		28	42	56	70	105	140	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	40	60	80	100	150	200	V
Maximum Average Forward Rectified Current at TL = 100 $^\circ\!\!\mathbb{C}$	IO <sub>(AV)</sub>	2.0					А	
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated		40.0					A	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25℃	IFSM	80.0				А		
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l <sup>2</sup> t	6.6				A <sup>2</sup> S		
Maximum Forward Voltage at 2.0A DC	V <sub>FM</sub>	0.55	0.75	0.	85	0.	92	V
Maximum Reverse Current TA = 25 °C	п	IR 0.1 0.05 10 5			mA			
at Rated DC Blocking Voltage TA = 100 $^\circ C$	IR				mA			
Typical Thermal Resistance	R <sub>QJA</sub>	75.0			°C/W			
Operating Junction Temperature Range	TJ				°C			
Storage Temperature Range	T <sub>STG</sub>	—55to+150				°C		



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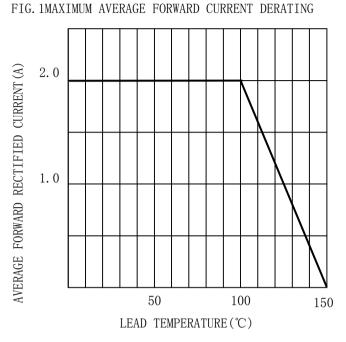


FIG. 2TYPICAL FORWARD CHARACTERISTICS

FIG. 3MAXIMUM NON-REPEITIVE SURGE CURRENT

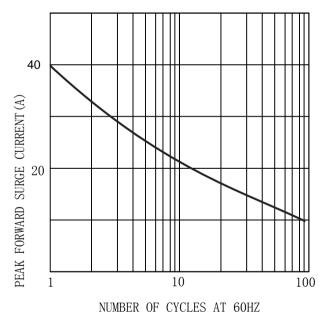
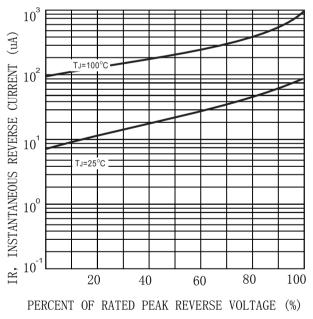


FIG. 4 TYPICAL REVERSE CHARACTERISTICS(per element)





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### **MARKING INFORMATION**

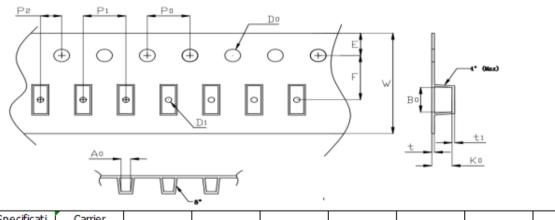


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Print according to customer request

### **PACKING REQUIRMENTS**

Carrier tape packing •



ons	Carrier tape type	Ao	Во	Ко	Po	w	t	Exiplain
SOD-123FL	Anti-static	1.95±0.10	3.95±0.10	1.35±0.10	$4.00 \pm 0.10$	8.0±0.10	$0.23 \pm 0.05$	

覆盖胶带(COVER TAPE)

装件袋 (CARRIER TAPE )

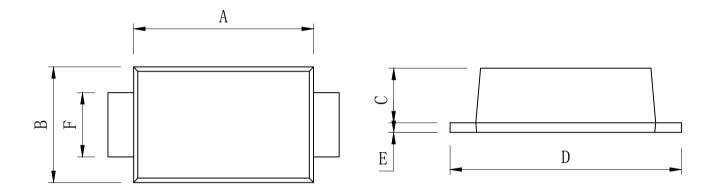
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DEVICE TYPE	Tape	7"Reel				
	width	Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)		
SOD-123FL	8mm	3000	80	240000		



## Outline Dimensions

SOD123FL



SOD123FL					
DIM	INC	HES	MM		
	MIN	MAX	MIN	MAX	
А	0.10	0.12	2.5	3	
В	0.06	0.08	1.5	2	
С	0.03	0.06	0.7	1.5	
D	0.12	0.16	3	4	
Е	/	0.01	/	0.3	
F	0.02	0.06	0.5	1.5	



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