

## SM4001PL THRU SM4007PL

## SUR FACE MOUNT GENERAL PURPOSE SILICON RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 1.0 Ampere

SOD-123FL		FEATURES								
Cathode Band Top View		<ul> <li>Glass passivated device</li> <li>Ideal for surface mouted applications</li> <li>Low reverse leakage</li> <li>Metallurgically bonded construction</li> <li>High temperature soldering guaranteed: 250°C/10 seconds,0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension</li> </ul>								
		MECHANICAL DATA								
Case: JEDEC SOD-123FL molded plastic body over passiva Terminals: Solderable per MIL-STD-750, Method 2026 Polarity: Color band denotes cathode end Mounting Position: Any								passivat	ed chip	
Dimensions in millimeters Weight:0.0007 ounce, 0.02 grams										
MAXIMUM RATIN	GS AND	ELEC	TRICA	L CHAF	RACTE	RISTIC	S			
Ratings at 25°C ambient temperature unless oth Single phase half-wave 60Hz,resistive or inducti	erwise spe ve load,for	cified. capacitiv	/e load c	urrent der	ate by 20	)%.				
	SYMBOLS	4001	4002	4003	4004	4005	4006	4007	UNITS	
MDD Catalog Number		A1	A2	A3	A4	A5	A6	A7	00	
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	VOLTS	
Maximum RMS voltage	Vrms	35	70	140	280	420	560	700	VOLTS	
Maximum DC blocking voltage	Vdc	50	100	200	400	600	800	1000	VOLTS	
Maximum average forward rectified current at Ta=65°C (NOTE 1)	l(AV)	1.0							Amp	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method) TL=25°C	Ifsm				25.0				Amps	
Maximum instantaneous forward voltage at 1.0A	VF 1.1						Volts			
Maximum DC reverse current Ta=25℃ at rated DC blocking voltage Ta=125℃	lr	10.0 50.0							μΑ	
Typical junction capacitance (NOTE 2)	CJ							pF		
Typical thermal resistance (NOTE 3)	Reja	180							°C/W	
Typical thermal resistance (NOTE 3)	INUJA				180				0/00	

Note: 1. Averaged over any 20ms period.

2.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

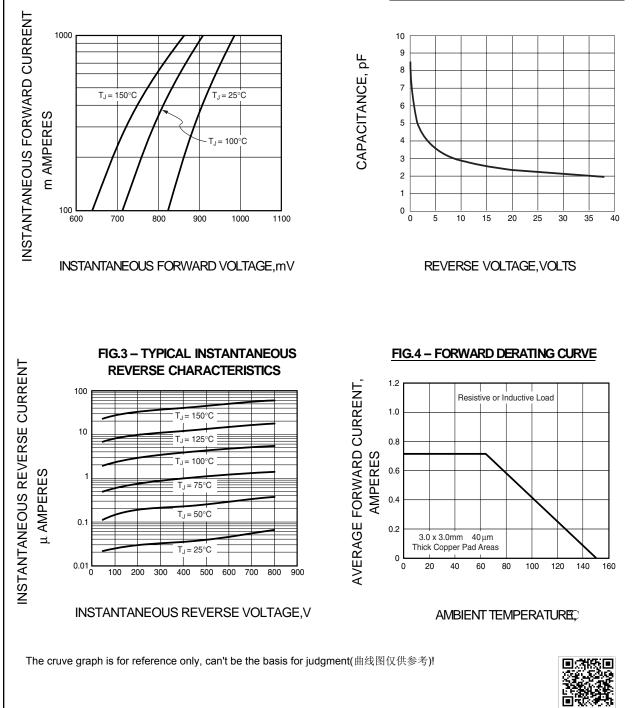
3. Thermal resistance from junction to ambient at 0.375" (9.5mm)lead length, P.C.B. mounted



## RATINGS AND CHARACTERISTIC CURVES SM4001PL THRU SM4007PL

FIG.1 - TYPICAL FORWARD CHARACTERISTIC

FIG.2 - TYPICAL JUNCTION CAPACITANCE





单击下面可查看定价,库存,交付和生命周期等信息

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