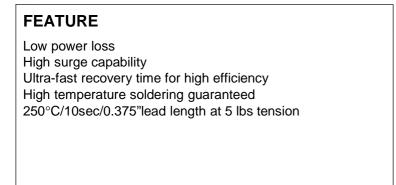
SUF4001 THRU SUF4007

HIGH EFFICIENT PLASTIC SILICON RECTIFIER VOLTAGE:50 TO 1000V CURRENT: 1.0A





MECHANICAL DATA

Mounting position:any

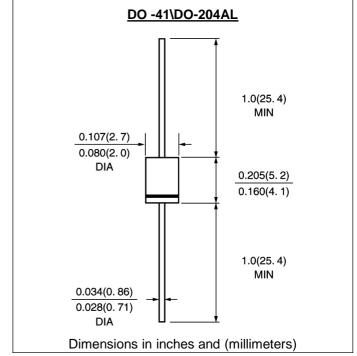
Retardant Epoxy

Polarity:color band denotes cathode

Terminal:Plated axial leads solderable per

MIL-STD 202E, method 208C

Case:Molded with UL-94 Class V-0 recognized Flame



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

	SYMBOL	SUF	SUF	SUF	SUF	SUF	SUF	SUF	units
		4001	4002	4003	4004	4005	4006	4007	
Maximum Recurrent Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Iaximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Aaximum DC blocking Voltage	Vdc	50	100	200	400	600	800	1000	V
laximum Average Forward Rectified Current 3/8"lead length at Ta =55°C	lf(av)	1.0							А
Peak Forward Surge Current 8.3ms single alf sine-wave superimposed on rated load	lfsm	30.0						A	
Maximum Forward Voltage at Forward current	Vf		1.0		1.4		1.7		V
Aaximum DC Reverse Current Ta =25°C		10.0						μA	
at rated DC blocking voltage Ta =100°C	lr	100.0							μA
Maximum Reverse Recovery Time (Note 1)	Trr	50			75			nS	
Typical Junction Capacitance (Note 2)	Cj	15				12		pF	
Typical Thermal Resistance (Note 3)	R(ja)	50 60						°C/V	
Storage and Operating Junction Temperature	Tstg,Tj	-50 to +125						°C	

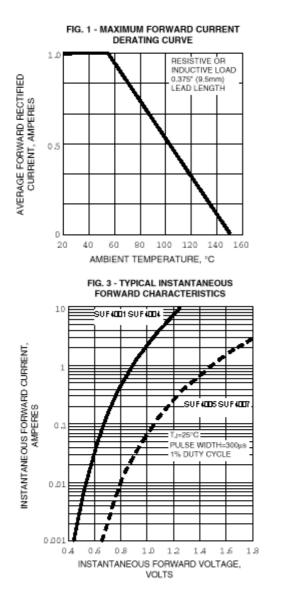
Note:

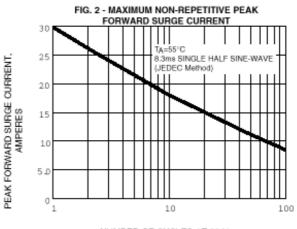
1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A

2. Measured at 1.0 MHz and applied reverse voltage of 4.0 Vdc

3. Thermal Resistance from Junction to Ambient at 3/8"lead length, P.C. Board Mounted

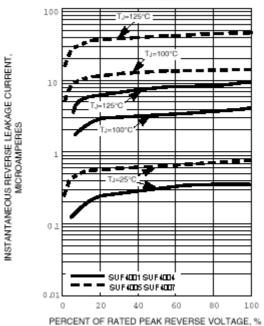






NUMBER OF CYCLES AT 60 Hz





1