

Surface Mount Schottky Barrier Rectifier Reverse Voltage - 60 V Forward Current - 2.0A

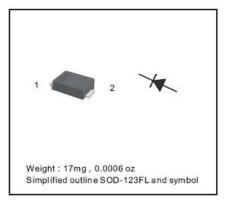
Features

- Metal silicon junction, majority carrier conduction
- For surface mounted applications
- Low power loss, high efficiency
- High forward surge current capability
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications

PMEG6020ER

PINNING

PIN	DESCRIPTION	8
1	Cathode	
2	Anode	



Absolute Maximum Ratings and Electrical characteristics

Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz resistive or inductive load, for capacitive load, derate by 20 %

Parameter	Symbols					Units
Maximum Repetitive Peak Reverse Voltage	V _{rrm}	60				V
Maximum RMS voltage	V _{rms}	42				
Maximum DC Blocking Voltage	V _{DC}	60				
Maximum Average Forward Rectified Current	I _{F(AV)}	2.0				
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	50			40	А
Max Instantaneous Forward Voltage at 2 A	V _F	0.70			0.85	v
Maximum DC Reverse Current T _a = 25°C at Rated DC Reverse Voltage T _a =100°C	I _R	0.5 10			0.3 5	mA
Typical Junction Capacitance 1>	Cj	220	80			pF
Operating Junction Temperature Range	Tj	-55~+125				
Storage Temperature Range	T _{stg}	-55~+150				

1) Measured at 1MHz and applied reverse voltage of 4 V D.C.



Fig.1 Forward Current Derating Curve

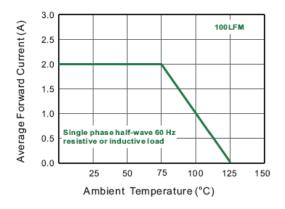


Fig.3 Typical Forward Characteristic

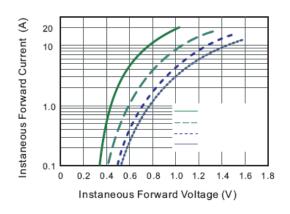
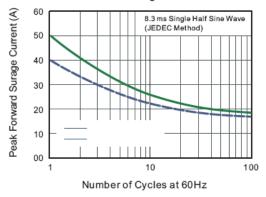


Fig.5 Maximum Non-Repetitive Peak Forward Surage Current



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Fig.2 Typical Reverse Characteristics

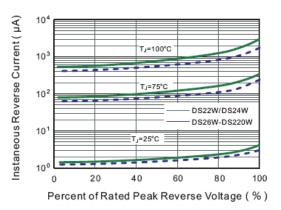
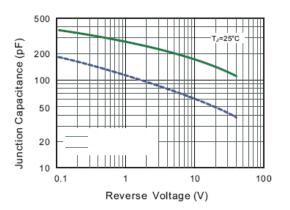


Fig.4 Typical Junction Capacitance



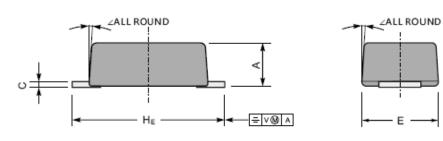


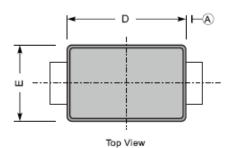
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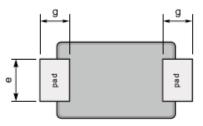
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD123FL



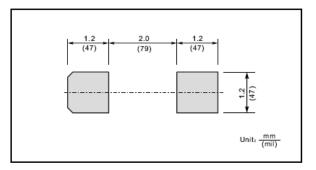




Bottom View

UNIT		А	С	D	E	е	g	HE	2
mm	max	1.1	0.20	2.9	1.9	1.1	0.9	3.8	7°
	min	0.9	0.12	2.6	1.7	0.8	0.7	3.5	
mil	max	43	7.9	114	75	43	35	150	
	min	35	4.7	102	67	31	28	138	

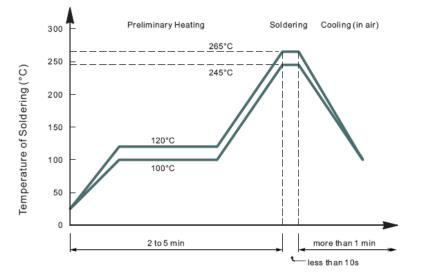
The recommended mounting pad size



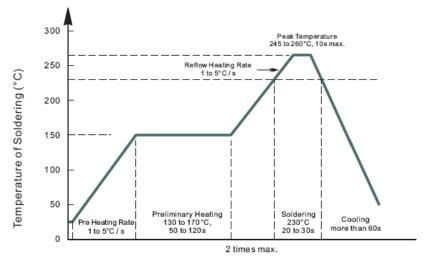


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· Recommended condition of flow soldering



· Recommended condition of reflow soldering



Recommended peak temperature is over 245 °C. If peak temperature is below 245 °C, you may adjust the following parameters; time length of peak temperature (longer), time length of soldering (longer), thickness of solder paste (thicker)

- Condition of hand soldering Temperature: 350°C Time: 3s max. Times: one time
- Remark: Lead free solder paste (96.5Sn/3.0Ag/0.5Cu)

单击下面可查看定价,库存,交付和生命周期等信息

>>SHIKUES(时科)