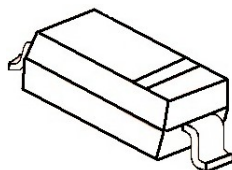


SOD-323

Marking: SD
特征 Features

大电流承受能力。High Current Capability

正向压降低。Low Forward Voltage Drop

机械数据 Mechanical Data

封装: SOD-323 封装 SOD-323 Small Outline Plastic Package

极性: 色环端为负极 Polarity: Color band denotes cathode end

环氧树脂 UL 易燃等级 Epoxy UL: 94V-0

安装位置: 任意 Mounting Position: Any

极限值和温度特性(TA = 25℃ 除非另有规定)

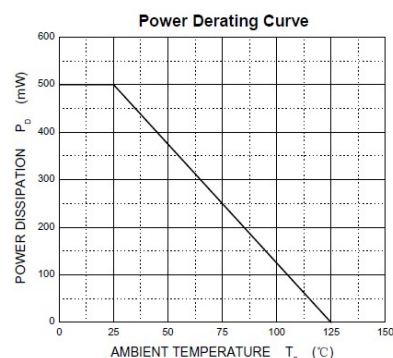
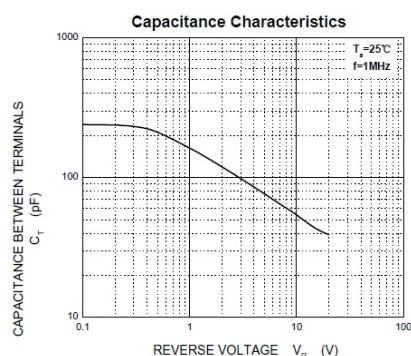
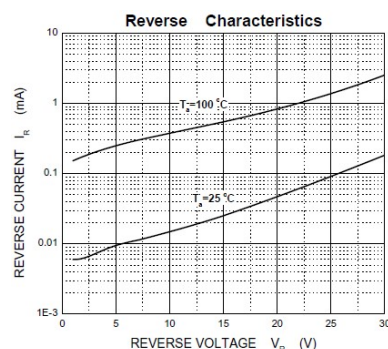
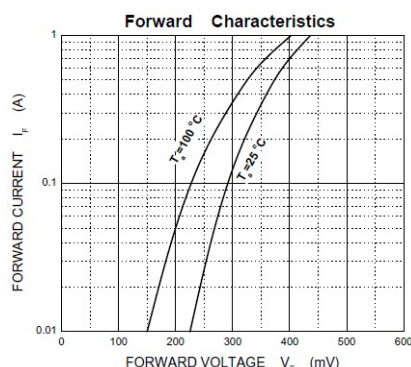
Maximum Ratings & Thermal Characteristics (Ratings at 25℃ ambient temperature unless otherwise specified.)

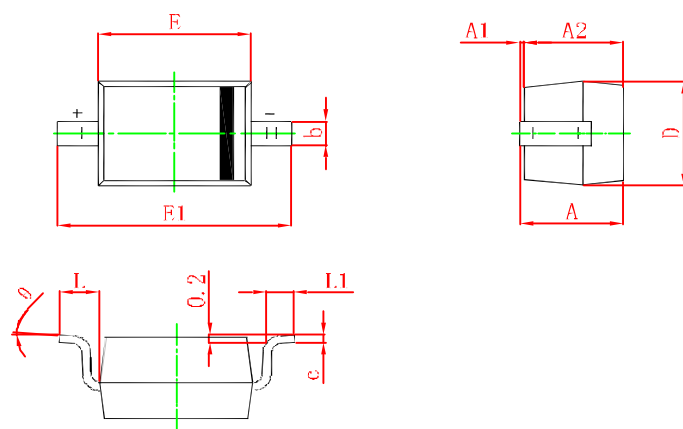
参数 Parameters	符号 Symbol	PMEG2005AEA,115-CN	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	VRRM	20	V
最大均方根电压 Maximum RMS voltage	VRMS	14	V
最大直流阻断电压 Maximum DC blocking voltage	VDC	20	V
最大正向平均整流电流 Maximum average forward rectified current	IFM	0.5	A
峰值正向浪涌电流 8.3ms 单一正弦半波 Peak forward surge current 8.3 ms single half sine-wave	IFSM	5.5	A
典型热阻 Typical thermal resistance	RθJA	500	℃/W
功率消耗 Power Dissipation	PD	200	mW
结温 Junction Temperature	Tj	125	℃
存储温度 Storage temperature range	TSTG	-50-+150	℃
电压率 of change	Dv/dt	1000	V/μS

电特性 (TA = 25℃ 除非另有规定)

Electrical Characteristics (Ratings at 25℃ ambient temperature unless otherwise specified).

参数 Parameters	符号 Symbol	测试条件 Test conditions	PMEG2005AEA,115-CN	单位 Unit
最大正向电压 Maximum forward voltage	VF	IF = 0.1A	0.330	V
		IF = 0.5A	0.390	
最大反向电压 Maximum reverse breakdown voltage	VR	IR=250uA	20	V
最大反向电流 Maximum reverse current	IR	VR=10V	75	uA
		VR=20V	250	
Capacitance between terminals	CT	VR = 0V, f = 1MHz	170	pF

特性曲线 Characteristic Curves

SOD-323 PACKAGE OUTLINE Plastic surface mounted package

SOD-323


Symbol	Min.(mm)	Max.(mm)
A		1.000
A1	0.000	0.100
A2	0.800	0.900
b	0.250	0.350
c	0.080	0.150
D	1.200	1.400
E	1.600	1.800
E1	2.500	2.700
L	0.475REF	
L1	0.250	0.400
θ	0°	8°

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