



表面贴装稳压二极管

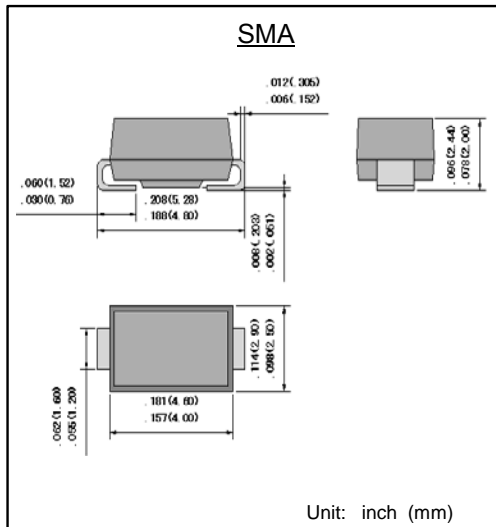
功率 1300 mW

稳压电压范围 4 -150 V

Surface Mount Zener Diode

Power Dissipation 1300 mW

Zener Voltage Range 4 - 150 V



特征 Features

- 平面结构芯片 Planar die construction
- 最大功率耗散1500mW。 Maximum power dissipation of 1500 mW
- 标准稳压电压公差 ±5% Standard Zener voltage tolerance is ±5%
- 高稳定性和可靠性。 High stability and high reliability
- 引线镀层符合RoHS标准
Lead plating according with RoHS standard

机械数据 Mechanical Data

- 封装: SMA 塑封 Case: SMA Molded plastic
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 环氧树脂: UL易燃等级: 94V-0
Epoxy: UL 94V-0 rate flame retardant
- 安装位置: 任意 Mounting Position: Any

最大值和特性 TA = 25°C 除非另有规定。

Maximum Ratings & Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

参数 Parameter	符号 Symbols	数值	单位
		Value	Unit
功率消耗 Power Dissipation @ T _A = 25°C	P _D	1300	mW
典型热阻 Type Thermal Resistance (Note 1)	R _{θJA}	100	°C/W
正向电压 Forward Voltage IF=0.5A	V _{FM}	1.0	V
工作结温和存储温度 Operating Junction and Storage Temperature	T _J , T _{STG}	-55 --- +150	°C

备注 Note:

1) Thermal Resistance, Junction to Ambient



产品型号 Part No.	Device Marking Code	Zener Voltage Range	Maximum Zener Impedance	T ; ytical Temperature Coefficient (%/°C)	Test Current	Maximum Reverse Leakage Current	
		$V_Z @ I_{ZT}$	$Z_{ZT} @ I_{ZT}$		I_{ZT}	IR @ VR	
		(V)	Ohms		mA	uA	Volts
1SMA6V8	EE	6.4-7.2	3	0.035	100	5	4.0
1SMA7V5	ED	7.0-7.9	3	0.035	100	5	5.0
1SMA8V2	EF	7.7-8.9	4	0.055	100	5	6.0
1SMA9V1	EG	8.5-9.6	4	0.055	50	5	7.0
1SMA10	EH	9.4-10.6	4	0.075	50	1	7.5
1SMA11	EK	10.4-11.6	7	0.075	50	1	8.2
1SMA12	EL	11.4-12.7	7	0.075	50	1	9.1
1SMA13	EM	12.4-14.1	10	0.075	50	1	10.0
1SMA15	EN	13.8-15.8	10	0.075	50	1	11.0
1SMA16	EP	15.3-17.1	15	0.085	25	1	12.0
1SMA18	EQ	16.8-19.1	15	0.085	25	1	13.0
1SMA20	ER	18.2-21.2	15	0.085	25	1	15.0
1SMA22	ES	20.8-23.3	15	0.085	25	1	16.0
1SMA24	ET	22.8-25.6	15	0.085	25	1	18.0
1SMA27	EU	25.1-28.9	15	0.085	25	1	20.0
1SMA30	EV	28-32	15	0.085	25	1	22.0
1SMA33	EW	31-35	15	0.085	25	1	24.0
1SMA36	EX	34-38	40	0.085	10	1	27.0
1SMA39	EY	37-41	40	0.085	10	1	30.0
1SMA43	EZ	40-46	45	0.095	10	1	33.0
1SMA47	FD	44-50	45	0.095	10	1	36.0
1SMA51	FF	48-54	60	0.095	10	1	39.0
1SMA56	FG	52-60	60	0.095	10	1	43.0
1SMA62	FH	58-66	80	0.105	10	1	47.0
1SMA68	FK	64-72	80	0.105	10	1	51.0
1SMA75	FL	70-78	100	0.105	10	1	56.0
1SMA82	FM	77-87	100	0.105	10	1	62.0
1SMA91	NF	85-96	200	0.11	5	1	68.0
1SMA100	FP	94-106	200	0.11	5	1	75.0
1SMA110	FQ	104-106	250	0.11	5	1	82.0
1SMA120	FR	114-127	250	0.11	5	1	91.0
1SMA130	FS	124-141	300	0.11	5	1	100.0
1SMA150	FT	138-156	300	0.11	5	1	110.0
1SMA160	FU	153-171	350	0.11	5	1	120.0
1SMA180	FV	168-191	400	0.11	5	1	130.0
1SMA200	FW	188-212	500	0.11	5	1	150.0