



DC34

双向触发二极管

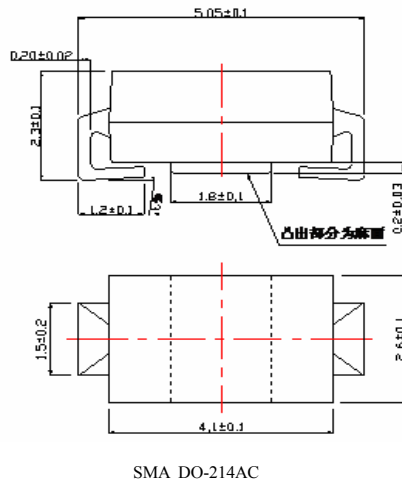
SILICON BIDIRECTIONAL DIAC

特征 Features

- 低的反向漏电流 Low reverse leakage
- 较强的正向浪涌承受能力 High forward surge capability
- 高温焊接保证 High temperature soldering guaranteed:
250°C/5 秒。
250°C/5 seconds.
- 引线可承受5 磅 (2.3kg) 拉力。 5 lbs. (2.3kg) tension

机械数据 Mechanical Data

- 端子: 镀锡SMA引线 Terminals: Plated SMA leads
- 极性: Polarity: no Color band
- 安装位置: 任意 Mounting Position: Any



ABSOLUTE RATINGS (LIMITING VALUES)

Symbols	Parameters		Value DC34	Units
P _C	Power Dissipation on Printed Circuit [L=10mm]	T _A =50°C	150	mW
I _{TRM}	Repetitive Peak on-state Current	tp=10s F=100Hz	2.0	A
T _{STG} /T _J	Storage and 0 perating Junction Temperature		-40 to +125 / -40 to 110	°C

ELECTRICAL CHARACTERISTICS

Symbols	Parameters	Test Conditions		Value	Units
				DC34	
V _{BO}	Breakover Voltage [Note 2]	C=22nF [Note 2] See Diagram 1	Min	30	V
			Typ	34	
			Max	38	
I + V _I _{BO} I - V _I _{BO}	Breakover Voltage Symmetry	C=22nF [Note 2] See Diagram 1	Max	± 3	V
I ± ΔV _I	Dynamic Breakover Voltage [Note 1]	ΔI=[I _{BO} to IF=10mA] See Diagram 1	Min	5	V
V _o	Output Voltage [Note 1]	See Diagram 2	Min	5	V
I _{BO}	Breakover Current [Note 1]	C=22nF [Note 2]	Max	50	μA
tr	Rise Time [Note 1]	See Diagram 3	Typ	1.5	S
I _B	Leakage Current [Note 1]	V _{BBO} =0.5V max See Diagram 1	Max	10	μA

Notes:1.Electrical characteristics applicable in both forward and reverse directions.

2.Connected in parallel with the devices.

DIAGRAM 1: Current-voltage characteristics

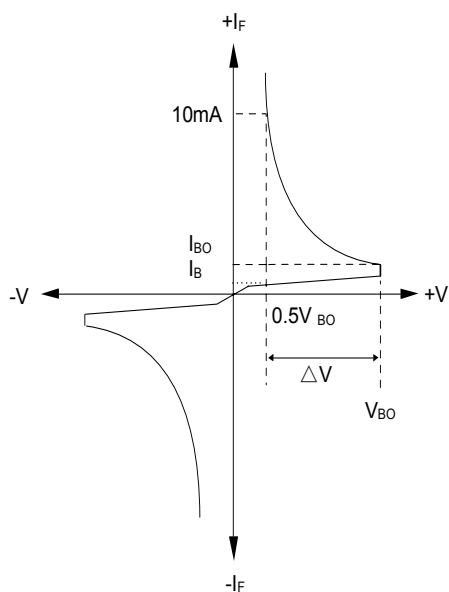


DIAGRAM 2: Test circuit for output voltage

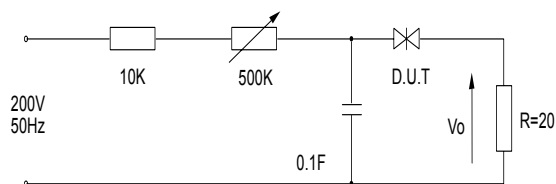


DIAGRAM 3: Test circuit see diagram 2 adjust R for $I_p = 0.5A$

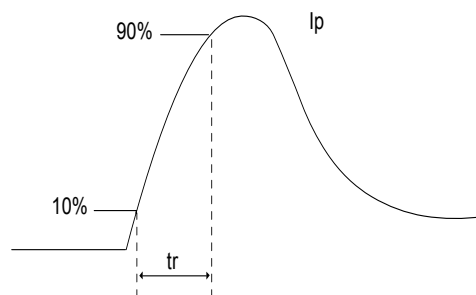


FIG.1-Power dissipation versus ambient temperature (maximum values)

