گروه فنی مهندسی جوش و برش مقدم

اعتماد از شما کیفیت و تخصص از ما

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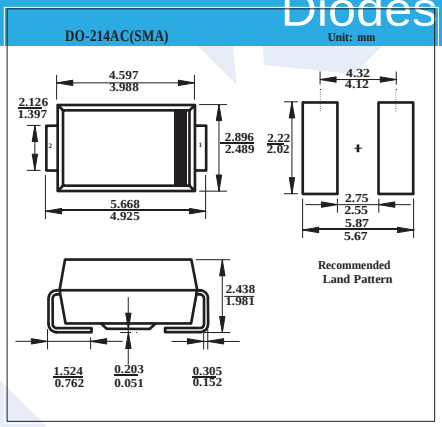
مشهد خیام شمالی 63 خیابان پردیس 3

برای کسب اطلاعات بیشتر بر روی لینک ها کلیک کنید

- 7 سال سابقه آموزش تعمیرات تخصصی دستگاه های جوش اینورتری تک فاز و 3 فاز
- 7 سال سابقه فروش قطعات الکترونیکی دستگاه جوش تک فاز و 3 فاز
- آموزش تخصصی تحلیل دستگاه های جوش اینورتری مختص ابراز فروشان
- آموزش تخصصی ابراز آلات شارژی

Schottky Diodes 1N5817 ~ 1N5819

SMD Type Diodes



Features

- Low profile package
- Ideal for automated placement
- Guardring for overvoltage protection Low power losses, high efficiency Low forward voltage drop
- High surge capability

Absolute Maximum Ratings Ta = 25℃

Parameter	Symbol	1N5817	1N5818	1N5819	Unit
Peak Repetitive Peak Reverse Voltage	V_{RRM}	20	30	40	V
RMS Reverse Voltage	$V_{R(RMS)}$	14	21	28	
DC Blocking Voltage	V_R	20	30	40	
Average Rectified Rectified Current	I_{FAV}	1			A
Peak Forward Surge Current @=8.3ms	I_{FSM}	40			
Thermal Resistance Junction to Ambient (Note.1)	$R_{\theta JA}$	88			℃/W
Thermal Resistance Junction to Lead (Note.1)	$R_{\theta JL}$	28			
Voltage Rate of Change (rated V_R)	dv/dt	10000			V/us
Junction Temperature	T_J	-60 to 125			℃
Storage Temperature range	T_{stg}	-65 to 150			

Note.1: P.C.B. mounted with 0.2 x 0.2" (5.0 x 5.0 mm) copper pad areas

Electrical Characteristics Ta = 25℃

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward voltage (Note.1)	V_F	I_F= 1 A			0.5	V
Reverse voltage leakage current(Note.1)	I_R	Ta = 25℃			0.2	mA
		Ta = 100℃			6	

Note.1: Pulse test: 300 μs pulse width, 1 % duty cycle

Marking

NO.	1N5817	1N5818	1N5819
Marking	SS12	SS13	SS14

Schottky Diodes

1N5817 ~ 1N5819

■ Typical Characterisitics

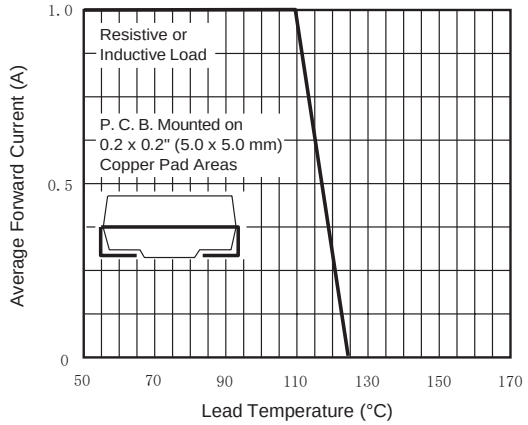


Figure 1. Forward Current Derating Curve

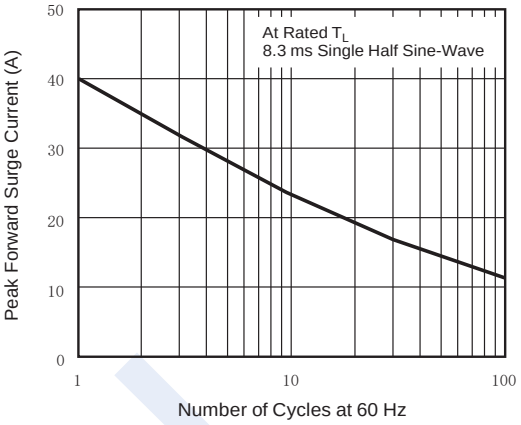


Figure 2. Maximum Non-Repetitive Peak Forward Surge Current

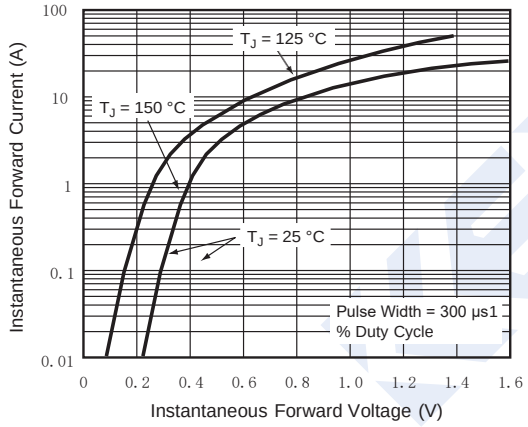


Figure 3. Typical Instantaneous Forward Characteristics

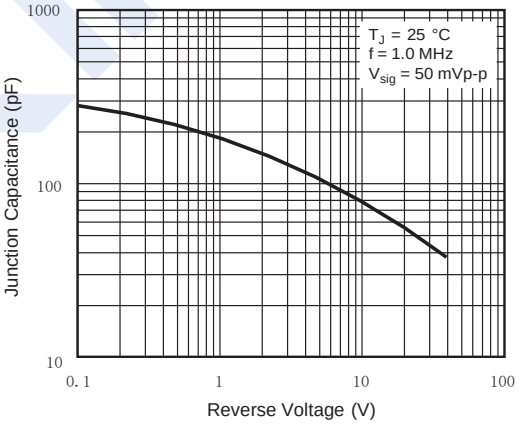


Figure 5. Typical Junction Capacitance

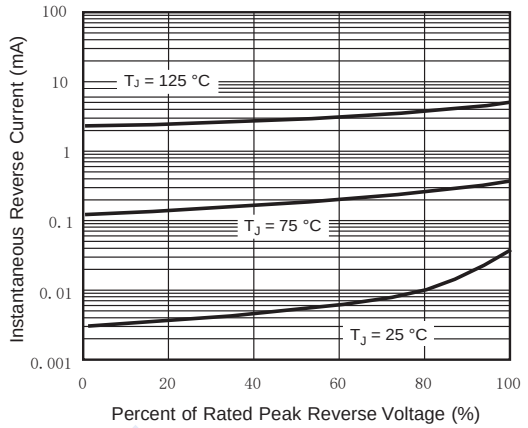


Figure 4. Typical Reverse Characteristics