

■ 描述 DESCRIPTIONS

DO214AC 塑封封装肖特基二极管。

Schottky diode in a DO214AC Plastic Package .

■ 应用 APPLICATIONS

低电压整流，高频转换开关和极性保护。

Low Voltage, High Frequency inverters, and Polarity Protection Applications.

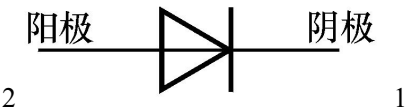
■ 引脚说明 PIN ASSIGNMENT



DO214AC

- 1 Cathode
- 2 Anode

■ 内部等效电路 Equivalent Circuit



■ 型号构成 Name rule

基本名称 Name			辅助识别代码 Additional code			
第一部分 Part 1	第二部分 Part 2	第三部分 Part 3	第四部分 Part 4	第五部分 Part 5	第六部分 Part 6	第七部分 Part 7
品牌 Brand	产品类别 Type	产品型号 Model	分档 Value	分隔号 Separatrix	封装代码 Package	附加码（备用） Extra-code
DX		1N5819L		“—”	F: DO214AC	E: ROHS

■ 额定值 ABSOLUTE MAXIMUM RATINGS (TC=25°C unless otherwise noted)

特性参数 CHARACTERISTIC	符号 SYMBOL	额定值 RATING	单位 UNIT
反向电压 Reverse Voltage	V_R	40	V
均方根反向电压 RMS Reverse Voltage	$V_{R(RMS)}$	28	V
正向连续电流 Forward Continuous Current	I_{FM}	1	A
正向不重复浪涌电流 Surge Current	I_{FSM}	25	A
耗散功率 Power Dissipation	P_D	450	mW
热阻(结到环境空气) Thermal Resistance (J to A)	R_{thJA}	50	°C/W
结温 Junction Temperature	T_J	-65~125	°C
贮存温度 Storage Temperature	T_{stg}	-65~150	°C

■ 电特性 ELECTRICAL CHARACTERISTICS

(TA=25°C unless otherwise noted 如无特殊说明, 温度为 25°C)

特性参数 Characteristic	符号 Symbol	测试条件 Test Conditions	最小值 Min.	典型值 Typ.	最大值 Max.	单位 Unit.
反向击穿电压 Reverse Breakdown Voltage	$V_{(BR)R}$	$I_R = 0.1mA$	40	—	—	V
正向压降 Forward Voltage Drop	$V_{FM(1)}$	$I_F = 0.1A$	—	—	0.45	V
	$V_{FM(2)}$	$I_F = 1A$	—	—	0.6	V
反向电流 Reverse Current	$I_{RM(1)}$	$V_R = 40V, T_A = 25^{\circ}C$	—	—	1.0	mA
	$I_{RM(2)}$	$V_R = 40V, T_A = 100^{\circ}C$	—	—	10	mA
总电容 Total Capacitance	C_T	$V_R = 4V, f = 1.0MHz$	—	110	—	pF

■ 打标 DEVICE MARKING



■ 典型特性 TYPICAL CHARACTERISTICS

FIG. 1- FORWARD CURRENT DERATING CURVE

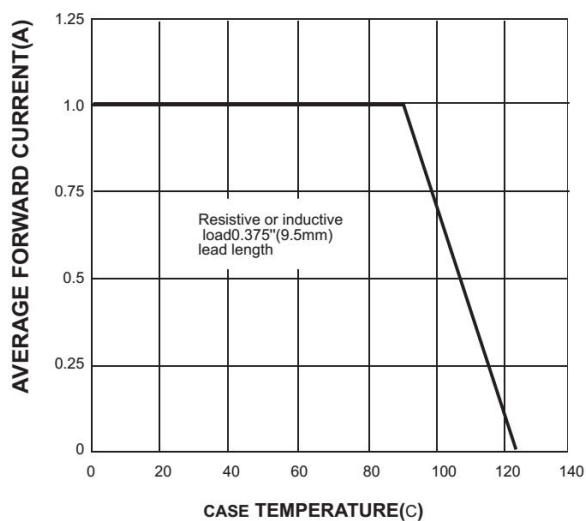


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

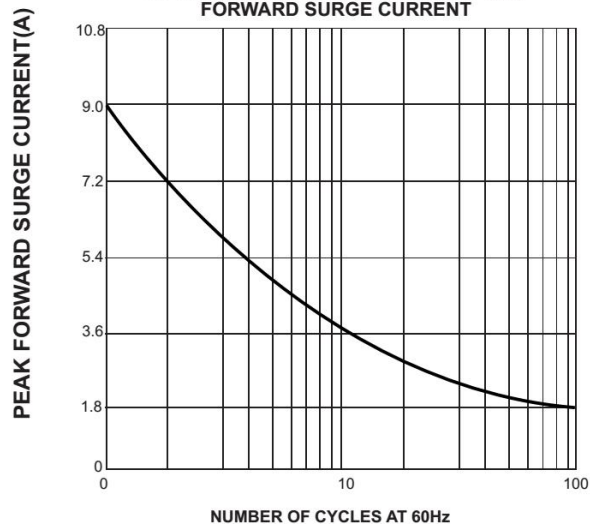


FIG. 3- TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

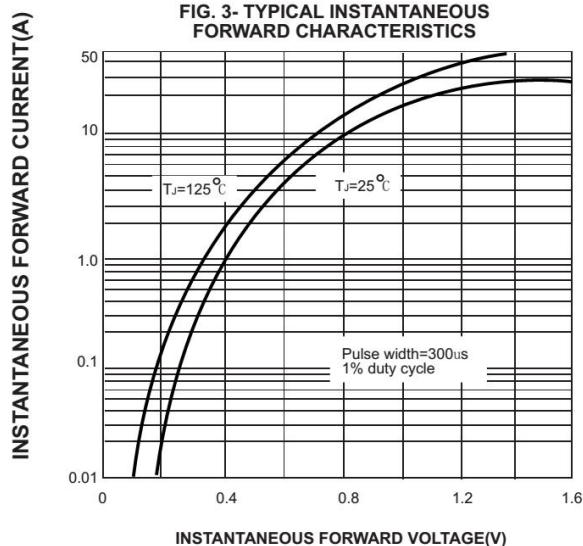


FIG. 4- TYPICAL REVERSE CHARACTERISTICS

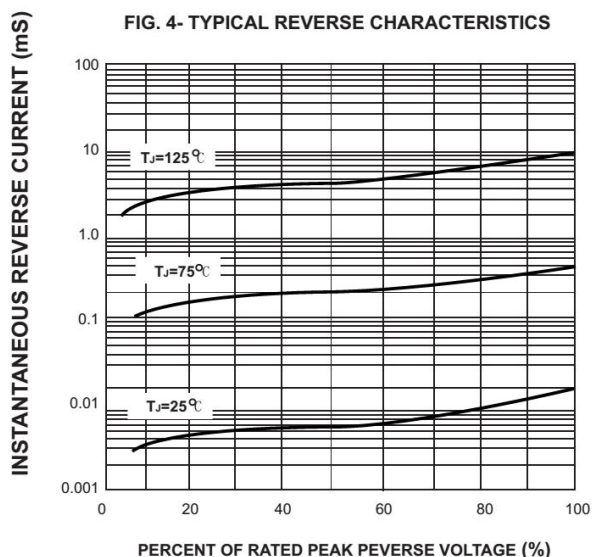


FIG. 5- TYPICAL JUNCTION CAPACITANCE

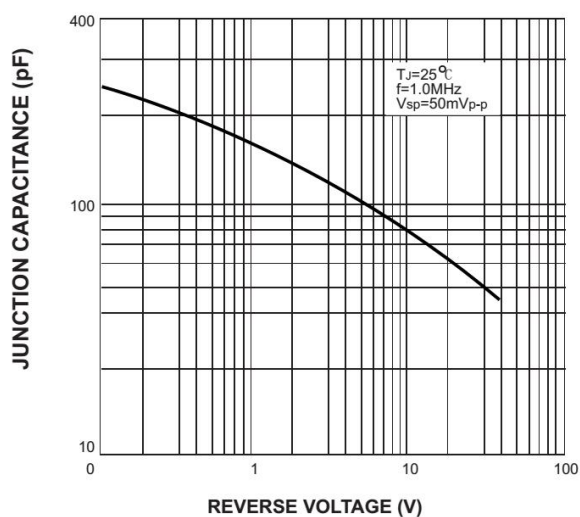
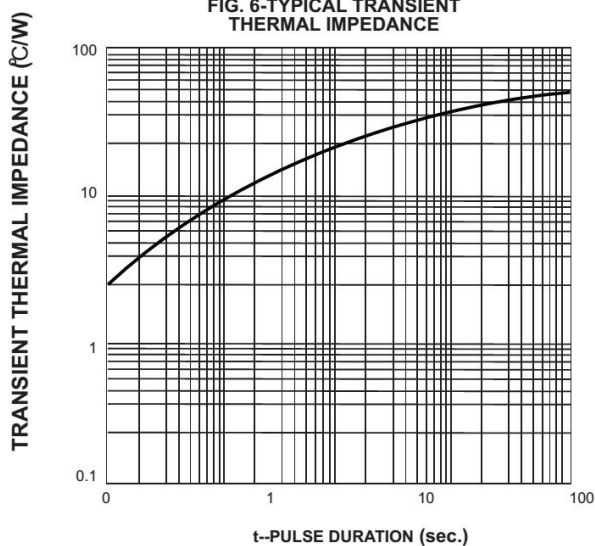
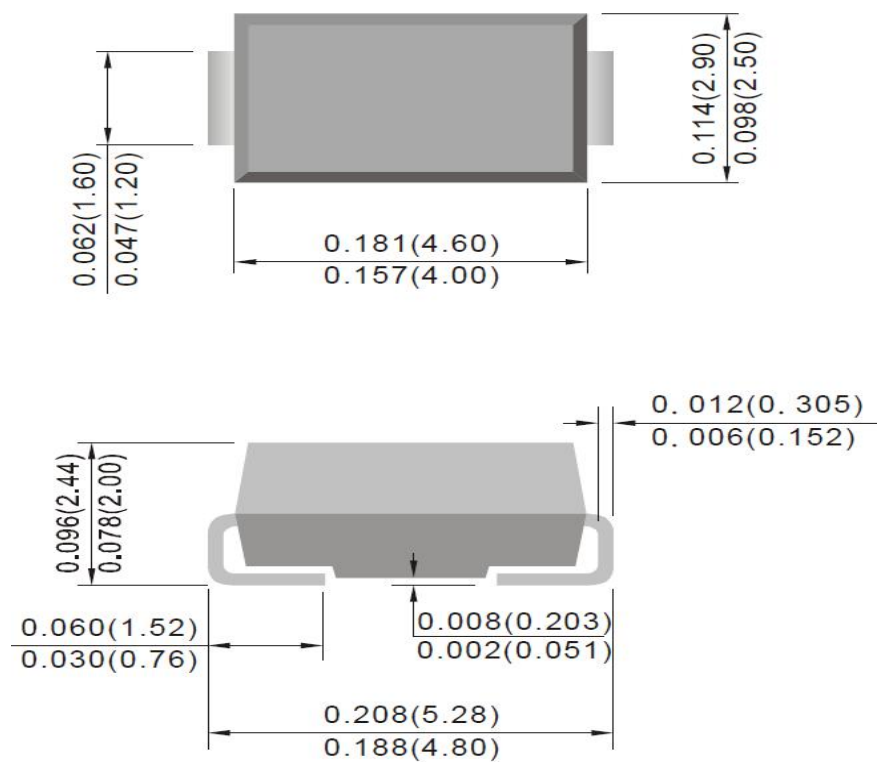


FIG. 6-TYPICAL TRANSIENT THERMAL IMPEDANCE



外形尺寸 DIMENSION



包装信息 PACKAGE INFORMATION

材料名称	数量	备注
Material Name	Quantity	Note
卷盘	2K/Reel	
Reel		
内盒	16K/盒	
Inner Case	16K/Case	