

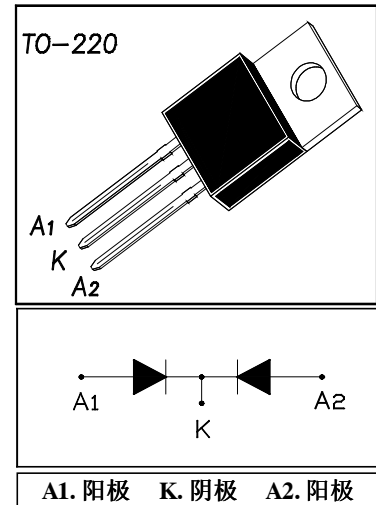
16S45 肖特基势垒二极管

* 主要用途：

开关模式电源
高频 DC-DC 转换器

* 主要特点：

开关速度快
传导损耗小
开关损耗小，高效率

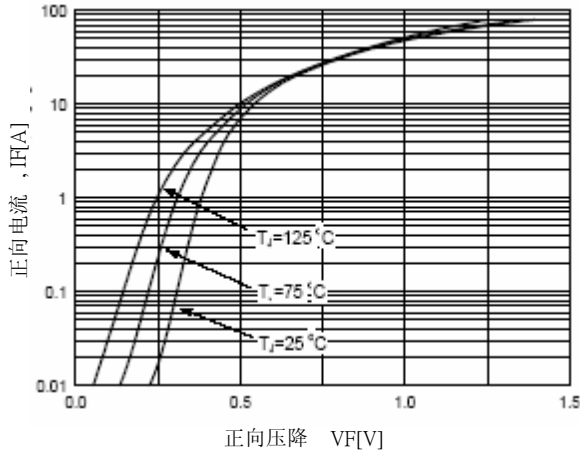
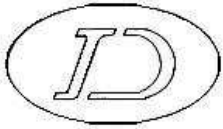


极限值：(Ta=25℃)

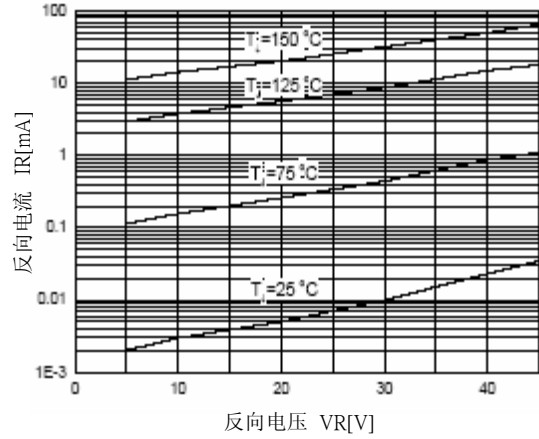
参数名称	符号	额定值	单位
反向重复峰值电压	V_{RRM}	45	V
平均正向电流	$I_{F(AV)}$	8×2	A
正向不重复峰值电流	I_{FSM}	150	A
耗散功率	P_c	80	W
结温	T_j	125	℃
贮存温度	T_{stg}	-65 ~ 150	℃

电特性：(Ta=25℃)

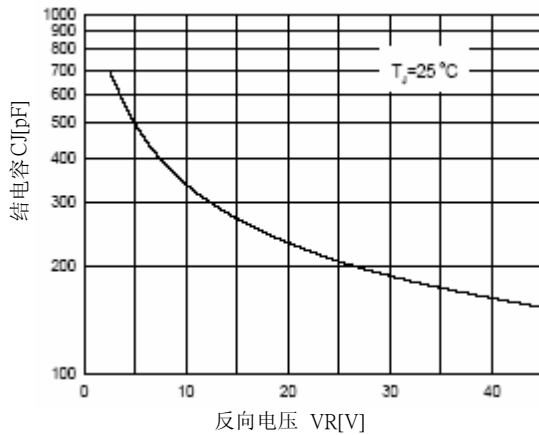
参数名称	符号	测试条件	规范值			单位
			最小值	典型值	最大值	
反向重复峰值电压	V_{RRM}	$I_R=1mA$	45			V
正向电压	V_F	$I_F=8A$			0.58	V
		$I_F=16A$			0.85	
反向电流	I_R	$V_R=43V, T=25℃$			100	μA
电容	C_d	$f=1MHz; V_R=4V$		500		pF



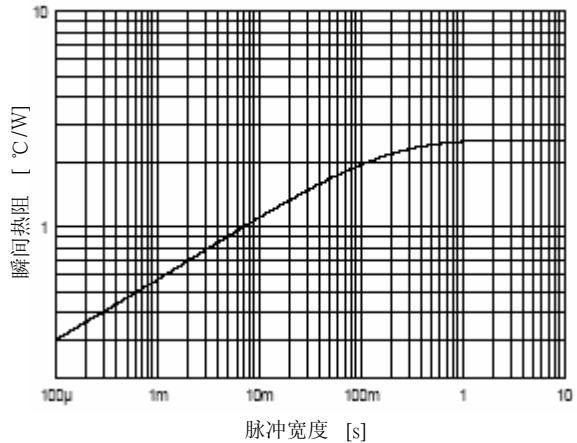
1. Typical Forward Voltage Characteristics (per diode)



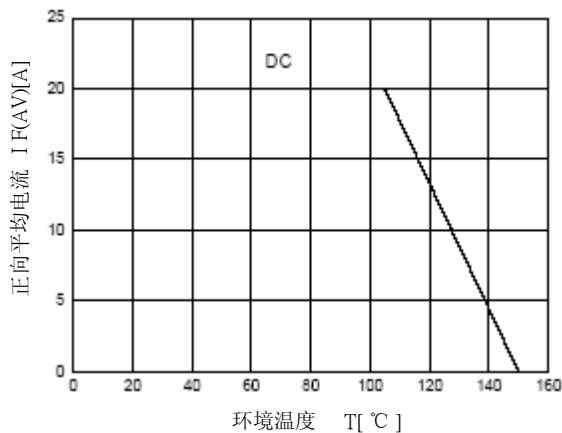
2. Typical Reverse Current vs. Reverse Voltage (per diode)



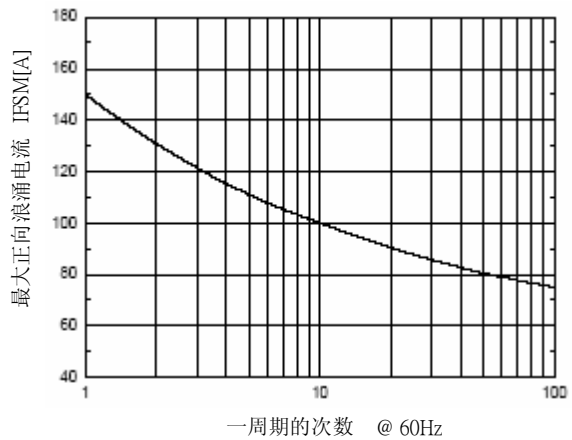
3. Typical Junction Capacitance (per diode)



4. Thermal Impedance Characteristics (per diode)



5. Forward Current Derating Curve



6. Non-Repetitive Surge Current (per diode)



封装形式:

TO-220 (单位: mm, 无其他特别说明公差 $\pm 0.1\text{mm}$)

