

AEX8206**表面贴装 极高频高压二极管**

反向电压: 6 kV; 正向电流: 800 mA; 反向恢复时间: 35 ns

Surface Mount Ultra-Fast Recovery High Voltage Diode

Reverse Voltage: 6 kV

Average Forward Current: 800 mA

Maximum Reverse Recovery Time: 35 ns

技术资料**Technical Data**

- 产品级别: 外贸级
- 封装形式: 环氧封装
- 引线: 表面贴装内弯式
- 极性: 色带指示负极
- Product Grade: International Standard
- Package Type: Epoxy Encapsulation
- Lead: Inside Bend
- Polarity: Cathode Indicated by Color Band

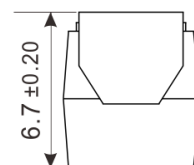
**产品标准****Product Standard**

Q/FT TRV0003-2022 《高压二极管》

外形尺寸**External Dimensions**

封装代号: HVS-607E

Package Code: HVS-607E



单位: mm

HVS-607E



验收标准

Acceptance Criteria

GB/T 4023 《半导体器件分立器件和集成电路 第 2 部分：整流二极管》

Semiconductor Devices-Discrete Devices and Integrated Circuits-Part 2: Rectifier Diodes.

特性及参数值

Characteristics and Parameter

除非另有规定，环境温度均为 25℃。

The ambient temperature is 25℃ unless otherwise specified.

电气特性 Electrical Characteristics	符 号 Symbol	额定值 Ratings	单 位 Unit
最大反向重复峰值电压 Maximum Repetitive Peak Reverse Voltage	V_{RRM}	6	kV
最大反向不重复峰值电压 Maximum Non-repetitive Peak Reverse Voltage	V_{RSM}	7	kV
最大正向平均电流 Maximum Average Forward Current (@ $T_{oil} = 55^{\circ}C$)	$I_{F(AV)}$	800	mA
最大正向浪涌电流 Maximum Surge Current	I_{FSM}	40	A
最大正向峰值电压 Maximum Peak Forward Voltage (@ $I_F = I_{F(AV)}$)	V_{FM}	≤ 12	V
最大直流反向电流 Maximum DC Reverse Current (@ $V_R = V_{RRM}$)	I_R	≤ 2 ($T_{oil} = 25^{\circ}C$)	μA
		≤ 30 ($T_{oil} = 100^{\circ}C$)	
最大反向恢复时间 Maximum Reverse Recovery Time ($I_F = 0.5A$, $I_R = 1A$)	t_{rr}	≤ 35	ns
有效工作结温 Operating Junction Temperature Range	T_J	$-55 \sim +125$	$^{\circ}C$
贮存温度 Storage Temperature Range	T_{STG}	$-55 \sim +150$	$^{\circ}C$