

UHVM6- UHVM 8-450

Controlled avalanche characteristic combined with the ability to dissipate reverse power
 Plastic package has underwriters laboratory lammability classification 94V-0
 Low forward voltage drop
 Typical i_r less than 1 μ A
 High overload surge capability
 High temperature soldering guaranteed
 260-C/10s/.375" (9.5mm) lead length at 5 lbs., (2.3kg) tension



Mechanical data

Case: Reliable low cost construction utilizing molded plastic technique
Terminals: Axial leads. Solderable per MIL-STD-202 Method 208
Polarity: Any
Weight: 2.6 g

We declare that the material of product compliance with RoHS requirements.

1. Electrical Characteristic

Maximum Ratings & Thermal Characteristics Ratings at 25-C ambient temperature unless otherwise specified.

Parameter	Symbol	UHVM6	UHVM7	UHVM8	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	6000	7000	8000	V
Maximum RMS voltage	V_{RMS}	4200	4900	5600	V
Maximum DC blocking voltage	V_{DC}	6000	7000	8000	V
Maximum average forward rectified current 0.375" (9.5mm) lead length at $T_A=55-C$	I_O	450			mA
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	30			A
Operating junction and storage temperature range	T_J, T_{STG}	-40 to +130			-C

Electrical Characteristics Ratings at 25-C ambient temperature unless otherwise specified.

Parameter	Symbol	UHVM6	UHVM7	UHVM8	Unit
Maximum instantaneous forward voltage at 50mA	V_F	14.0			V
Maximum reverse recovery time(note:1)	T_{RR}	150			nS
Maximum DC reverse current at rated DC blocking voltage $T_A=25-C$	I_R	10.0			μ A

Note: (1) reverse recovery test condition: $I_F=I_R=100mA$; , 90% recovery point

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2. Ratings and Characteristic Curves(TA= 25°C unless otherwise noted)

Fig. 1 - Forward Current Derating Curve

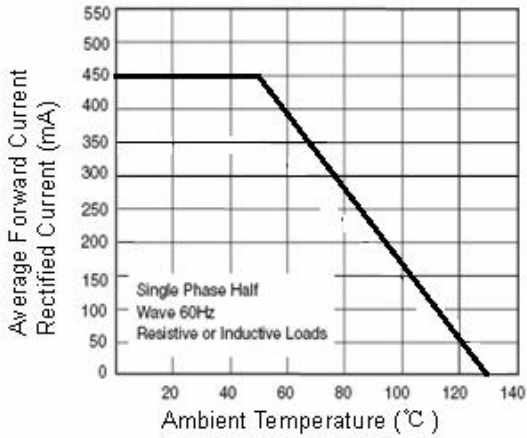


Fig.2 -Typical Instantaneous Forward Characteristics

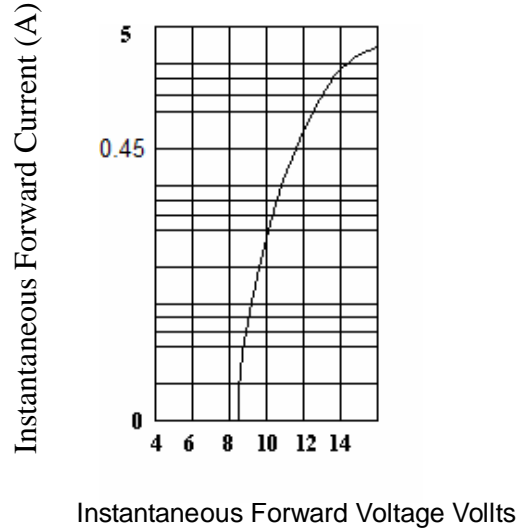
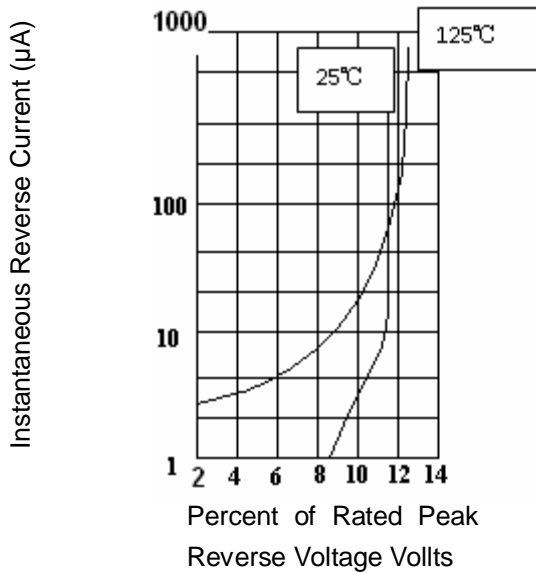
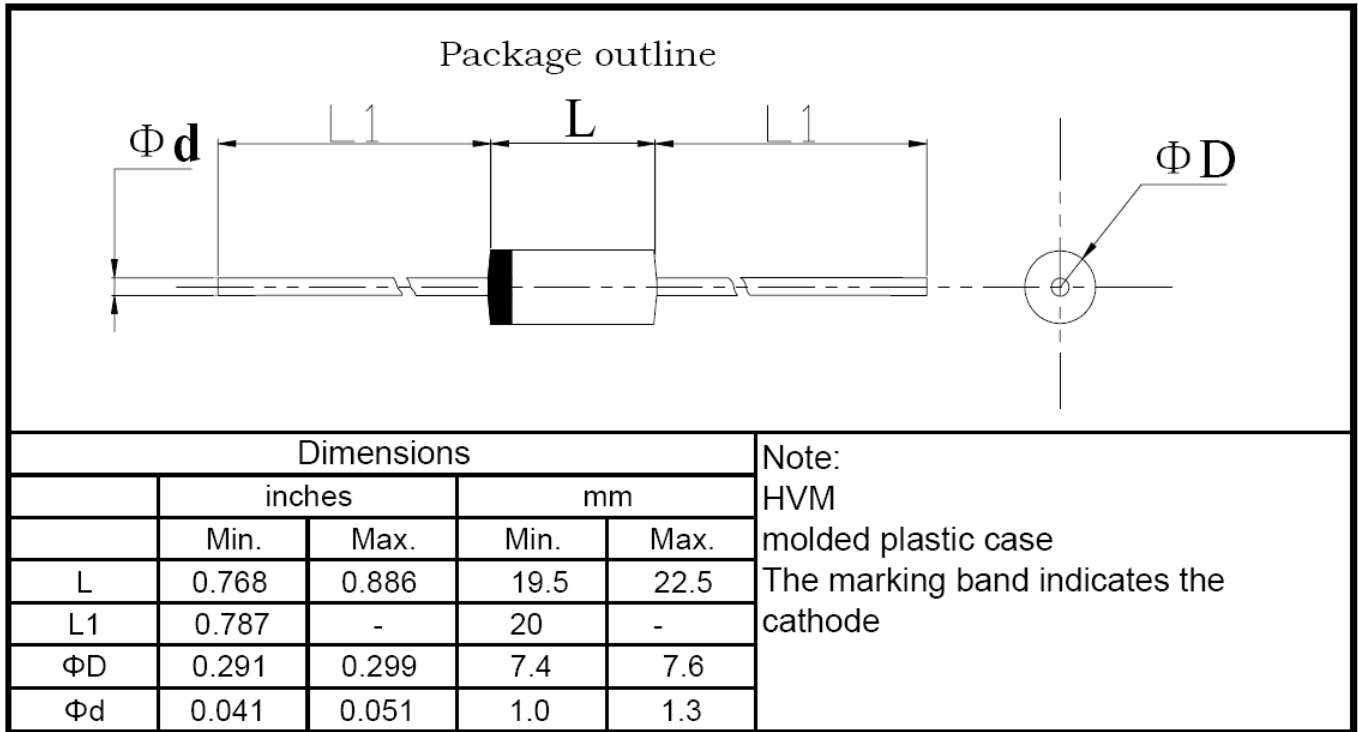


Fig. 3 - Typical Reverse Characteristics

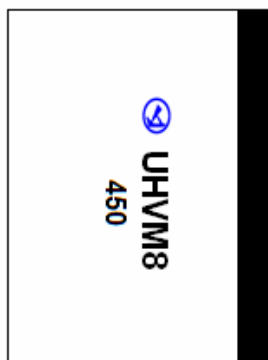


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3.dimension:



印字规范:



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4. Update Record

版次	更新记录	更新作者	更新日期
1		余波	2012-2-10