



LRC

乐山无线电股份有限公司
Leshan Radio Company, Ltd

UHVM8

产 品 规 格 书

SPECIFICATION OF PRODUCT

客户名称	Customer name:	_____
产品名称	Product name:	_____
产品型号	Product type:	UHVM8
客户型号	Customer type:	UHVM8

拟制	Application:	<u>余波</u>	<u>2010-10-9</u>
审核	Auditing:	<u>谭志伟</u>	<u>2010-10-9</u>
批准	Approved:	_____	_____

乐山无线电股份有限公司

Leshan Radio Company, Ltd.

中国 四川 乐山 人民西路 27 号

27 West People Road, Leshan, Sichuan, P.R.China

Tel: 0086-833- 2150247 Fax: 0086-833-2150671

Zip Code: 614000 Homepage:www.lrc.cn

UHVM8

Features

Controlled avalanche characteristic combined with the ability to dissipate reverse power
Plastic package has underwriters laboratory flammability classification 94V-0
Low forward voltage drop
Typical I_r less than 1 μA
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	UHVM8	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	8000	V
Maximum RMS voltage	V_{RMS}	5600	V
Maximum DC blocking voltage	V_{DC}	8000	V
Maximum average forward rectified current 0.375" (9.5mm) lead length at TA=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	UHVM8I	Unit
Maximum instantaneous forward voltage at 50mA	V_F	14.0	V
Maximum reverse recovery time(note:1)	T_{RR}	250	nS
Maximum DC reverse current at rated DC blocking voltage TA=25-C	I_R	10.0	μA

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

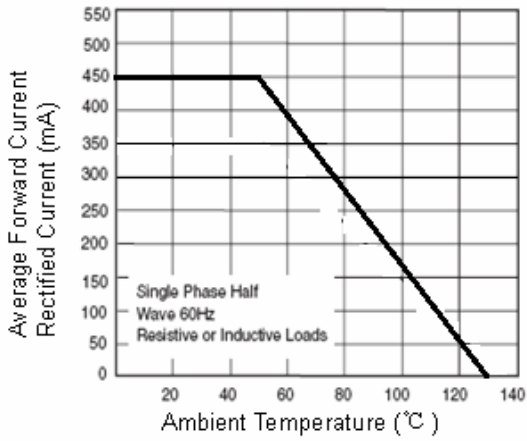


Fig.2 -Typical Instantaneous Forward Characteristics

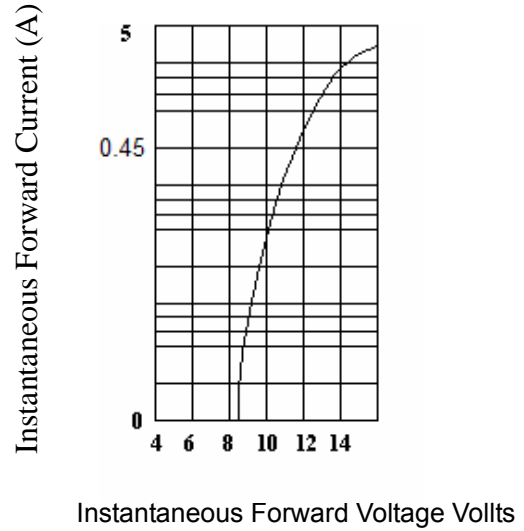
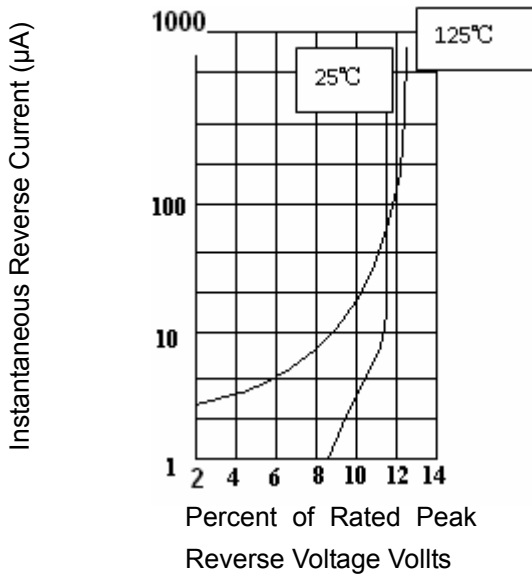
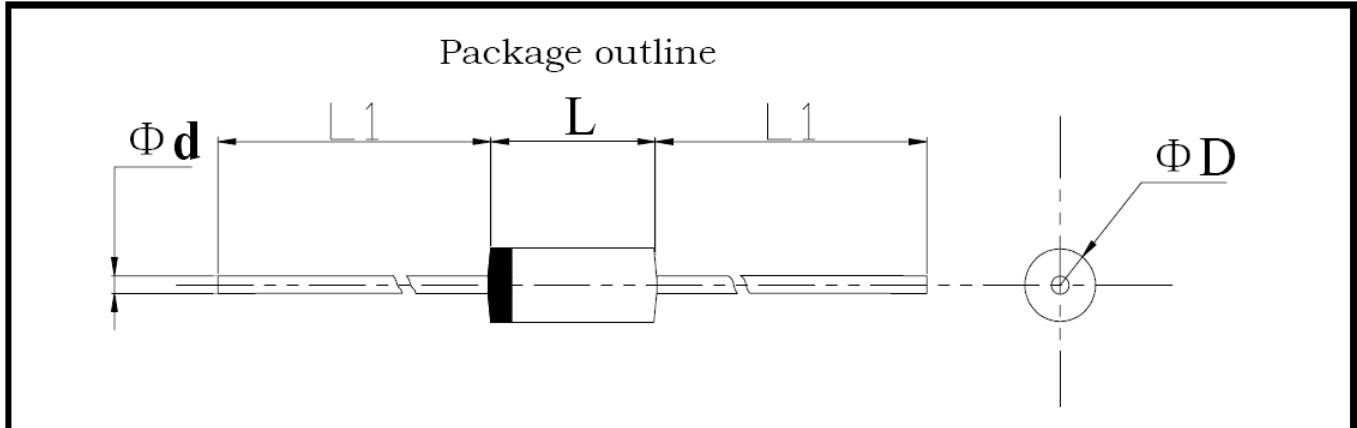


Fig. 3 - Typical Reverse Characteristics



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3.dimension:



Dimensions					Note: HVM molded plastic case The marking band indicates the cathode
	inches		mm		
	Min.	Max.	Min.	Max.	
L	0.768	0.886	19.5	22.5	
L1	0.787	-	20	-	
ΦD	0.291	0.299	7.4	7.6	
Φd	0.041	0.051	1.0	1.3	

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4. Update Record

版次	更新记录	更新作者	更新日期
1		余波	2010-10-9