

# High-Voltage Rectifier Diodes

Parameter Type No.	Absolute Maximum Ratings					Electrical Characteristics ( Ta = 25 )						Others													
	V <sub>RM</sub> (kV)	I <sub>R(AV)</sub> (mA)	I <sub>FSM</sub> (A) 50Hz Half-cycle Sinewave Single Shot	T <sub>c</sub> ( )	T <sub>stg</sub> ( )	V <sub>F</sub> (V)		I <sub>R</sub> (μA) V <sub>R</sub> = V <sub>RM</sub> max	I <sub>R(H)</sub> (μA) V <sub>R</sub> = V <sub>RM</sub> Ta = 100 max	t <sub>rr</sub> (μs)		Mass (g)	Fig.	Remarks											
						max	I <sub>F</sub> (mA)			I <sub>F</sub> /I <sub>RP</sub> (mA)	Ta = 100														
SHV-02	2	2.0 TV high voltage rectifier Capacitive load	0.3	100	- 40 to + 120	10	1	3	0.18	10/10	-	0.15	Ⓐ	For general FBT											
SHV-03S	3											16	0.16		Ⓑ										
SHV-03	3											40	0.32		Ⓒ										
SHV-10	10											45													
SHV-12	12											55													
SHV-14	14											60													
SHV-16	16											75	Ⓓ												
SHV-20	20											0.5	100		- 40 to + 120	10	1	3	0.18	10/10	-	0.2	Ⓒ	For layer- built FBT	
SHV-06NK	6																					26	0.32		Ⓓ
SHV-08NK	8																					36			
SHV-10K	10		40																						
SHV-12K	12		45																						
SHV-06UNK	6		48	0.2	Ⓒ																				
SHV-08UNK	8		60																						
SHV-10UK	10		68																						
SHV-12UK	12		90																						
SHV-16UK	16		0.5	100	- 40 to + 120	10	1	3	0.15	10/10	0.30			0.3								Ⓔ	For high- frequency layer-built FBT		
SHV-08DN	8											30	0.2	Ⓒ											
SHV-12DN	12		45	0.3	Ⓓ																				
HVR-1X-40B	9		20	60 ( Ta )	- 40 to + 130	9	350	10	V <sub>Z</sub> = 9.5 to 15kV	-	-	3.67	Ⓒ	For Microwave Oven											
UX-C2B	8	15	- 30 to + 130		13.5				V <sub>Z</sub> = 8.5kV min.	0.1	100/100		Ⓓ	For Inverter-type Microwave Oven											

Type No.	External Dimensions (Unit: mm)	Marking (Cathode Mark)	
		Pattern	Color
SHV-02	Fig. Ⓐ 		White
SHV-03S			Red
SHV-03	Fig. Ⓑ 		White
SHV-06NK	Fig. Ⓒ 		White
SHV-06UNK			Red
SHV-08NK			White
SHV-08UNK			Red
SHV-08DN			Red
SHV-12DN		Fig. Ⓓ 	

Type No.	External Dimensions (Unit: mm)	Marking (Cathode Mark)	
		Pattern	Color
SHV-10	Fig.Ⓔ 		White
SHV-10K			
SHV-10UK			White
SHV-12			
SHV-12K			Red
SHV-12UK			
SHV-14			White
SHV-16		Fig.Ⓕ 	
SHV-16UK			Red
SHV-20			White
SHV-24			

The SHV series of diodes have been miniaturized by resin on the assumption for remolding. Measures against creeping discharge and humidity stress must be taken when using these diodes.  
 The taping specifications of the SHV series differ from ordinary diodes. (P.10)

### SHV series

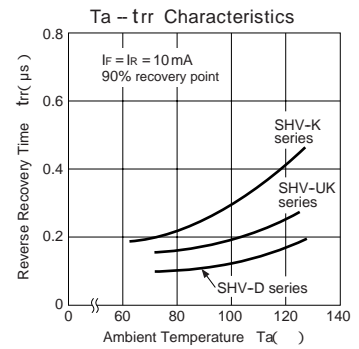
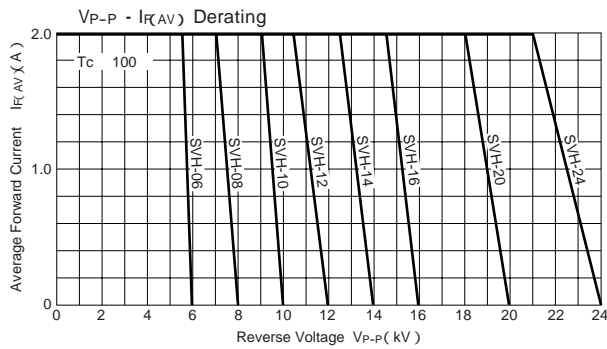


Fig.Ⓒ

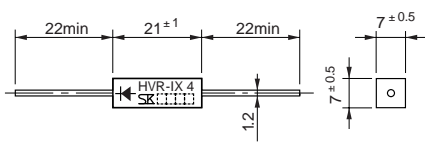


Fig.Ⓓ

