

High-Voltage Rectifier Diodes

Parameter Type No.	Absolute Maximum Ratings					Electrical Characteristics (Ta=25°C)							Others			
	V _{RM} (kV)	I _{F(AV)} (mA)	I _{FSM} (A) 50Hz Half-cycle Sinewave Single Shot	T _C (°C)	T _{stg} (°C)	V _F (V)		I _R (μA)	I _{R(H)} (μA)	t _{rr} (μs)			Mass (g)	Fig.	Remarks	
						max	I _F (mA)			V _R =V _{RM} max	V _R =V _{RM} Ta=100°C max	I _F /I _{RP} (mA)				Ta=100°C
SHV-02	2	2.0 TV high voltage rectifier Capacitive load	0.3	100	-40 to +120	16	10	1	3	0.18	10/10	—	0.13	Ⓐ	For general FBT	
SHV-03S	3					40							0.16	Ⓑ		
SHV-10	10					45							0.33	Ⓔ		
SHV-12	12					55										
SHV-14	14					60										
SHV-16	16					75										
SHV-20	20		0.5	100	-40 to +120	24	10	1	3	0.15	10/10	0.20	0.17	Ⓒ		For high- frequency layer-built FBT
SHV-06EN	6					30							0.20	Ⓓ		
SHV-08EN	8					38										
SHV-10EN	10					45										
SHV-12EN	12					30							0.17	Ⓒ		
SHV-08DN	8					38										
SHV-10DN	10	45														
SHV-12DN	12	0.5	100	-40 to +120	9	350	10	3	0.15	10/10	0.20	0.17	Ⓒ	For Ultra high-frequency layer-built FBT		
SHV-10DN	10				16							0.20	Ⓓ			
SHV-12DN	12	16														
HVR-1X-40B	9	350	20	60 (Ta)	-40 to +130	9	350	10	V _Z =9.5 to 15kV	—	—	2.5	Ⓖ	For Microwave Oven		
UX-F0B	8		15	-30 to +130	16	V _Z =8.5kV min.			0.18	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-06EN	Fig. Ⓒ 		White
SHV-08EN			White
SHV-08DN			Red
SHV-10EN	Fig. Ⓓ 		White
SHV-10DN			Red
SHV-12EN			White
SHV-12DN			Red

Type No.	External Dimensions (Unit: mm)	Marking (Cathode Mark)	
		Pattern	Color
SHV-10	Fig. ㉔ 		White
SHV-12			
SHV-14			
SHV-16	Fig. ㉕ 		White
SHV-20			
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

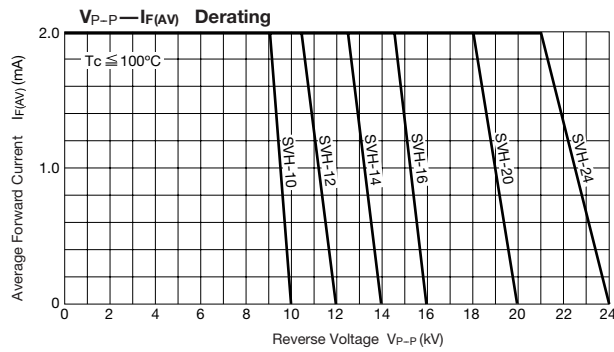


Fig. ㉔

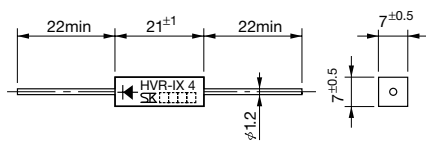


Fig. ㉕

