

High-Voltage Rectifier Diodes

Parameter Type No.	Absolute Maximum Ratings					Electrical Characteristics (Ta = 25 °C)							Others																																																						
	VRM (kV)	IR(AV) (mA)	IFSM (A) 50Hz Half-cycle Sinewave Single Shot	Tc (°C)	Tstg (°C)	VF (V)		IR (μA) VR = VRM max	IR(H) (μA) VR = VRM Ta = 100 max	trr (μs)			Mass (g)	Fig.	Remarks																																																				
						max	IF (mA)			IF/IRP (mA)	Ta = 100																																																								
SHV-02	2	2.0 TV high voltage rectifier Capacitive load	0.3	100	-40 to +120	max	10	1	3	0.18	10/10	-	0.15	A	For general FBT																																																				
SHV-03S	3															0.5	100	-40 to +120	max	10	1	3	0.18	10/10	-	0.16	B																																								
SHV-03	3																												0.5	100	-40 to +120	max	10	1	3	0.18	10/10	-	0.32	E																											
SHV-10	10																																									0.5	100	-40 to +120	max	10	1	3	0.18	10/10	-	0.32	F														
SHV-12	12																																																						0.5	100	-40 to +120	max	10	1	3	0.18	10/10	-	0.32	E	
SHV-14	14																																																																		
SHV-16	16		0.5	100	-40 to +120	max	10	1	3	0.18	10/10	-	0.32	E																																																					
SHV-20	20															0.5	100	-40 to +120	max	10	1	3	0.18	10/10	-	0.32	E																																								
SHV-24	24		0.5	100	-40 to +120	max	10	1	3	0.18	10/10	-	0.32	E																																																					
SHV-06NK	6															0.5	100	-40 to +120	max	10	1	3	0.18	10/10	-	0.2	C	For layer- built FBT																																							
SHV-08NK	8		0.5	100	-40 to +120	max	10	1	3	0.18	10/10	-	0.32	E																																																					
SHV-10K	10															0.5	100	-40 to +120	max	10	1	3	0.18	10/10	-	0.32	E																																								
SHV-12K	12		0.5	100	-40 to +120	max	10	1	3	0.18	10/10	-	0.32	E																																																					
SHV-06UNK	6															0.5	100	-40 to +120	max	10	1	3	0.15	10/10	0.30	0.2	C	For high- frequency layer-built FBT																																							
SHV-08UNK	8		0.5	100	-40 to +120	max	10	1	3	0.15	10/10	0.30	0.3	E																																																					
SHV-10UK	10															0.5	100	-40 to +120	max	10	1	3	0.15	10/10	0.30	0.3	E																																								
SHV-12UK	12	0.5	100	-40 to +120	max	10	1	3	0.15	10/10	0.30	0.3	E																																																						
SHV-16UK	16														0.5	100	-40 to +120	max	10	1	3	0.15	10/10	0.30	0.3	E																																									
SHV-08DN	8	0.5	100	-40 to +120	max	10	1	3	0.15	10/10	0.20	0.2	C	For Ultra high-frequency layer-built FBT																																																					
SHV-12DN	12														0.5	100	-40 to +120	max	10	1	3	0.15	10/10	0.20	0.3	D																																									
HVR-1X-40B	9	350	20	60 (Ta)	-40 to +130	9	350	10	Vz = 9.5 to 15kV	-	-	3.67	G	For Microwave Oven																																																					
UX-C2B	8		15	-30 to +130	13.5					Vz = 8.5kV min.	0.1				100/100			H	For Inverter-type Microwave Oven																																																

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

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

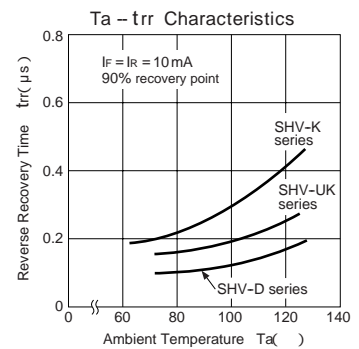
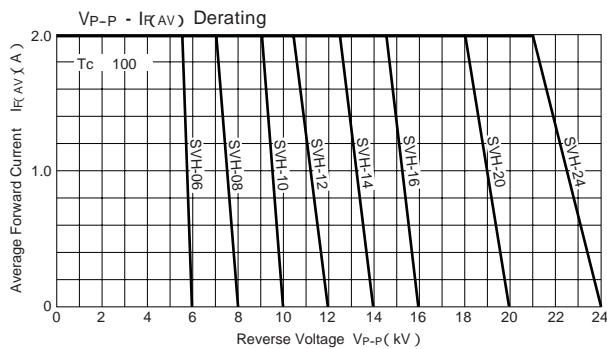


Fig.㉔

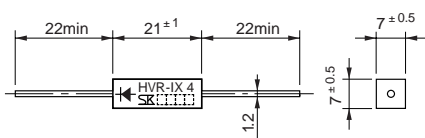


Fig.㉕

