

4-5 High Voltage Rectifier Diodes

Category	V _{RM} (kV)	Part Nubmer	I _{F(AV)} (mA)	I _{FSM} (A)	T _c (°C)	T _{stg} (°C)	V _F (V) max	I _F (mA)	I _R (μA)	I _{R(H)} (μA)	T _a (°C)	trr ⁽¹⁾ (μs)		I _F /I _{RP} (mA)	Mass (g)	Package Type No.
				50Hz					V _R =V _{RM} max	V _R =V _{RM} max		Ta=100°C				
				Single Half Sine Wave												
General-purpose	2	SHV-02	2.0	0.3	100	-40 to +120	16	10	1	3	100	0.18	—	10/10	0.13	1
	3	SHV-03S	2.0	0.3	100	-40 to +120	16	10	1	3	100	0.18	—	10/10	0.13	
	3	SHV-03	2.0	0.5	100	-40 to +120	16	10	1	3	100	0.18	—	10/10	0.16	2
For high frequency multilayer FBT	6	SHV-06EN	2.0	0.5	100	-40 to +120	24	10	1	3	100	0.15	0.20	10/10	0.17	3
	8	SHV-08EN	2.0	0.5	100	-40 to +120	30	10	1	3	100	0.15	0.20	10/10	0.17	
For ultra-high frequency multilayer FBT	8	SHV-08DN	2.0	0.5	100	-40 to +120	30	10	1	3	100	0.15	0.20	10/10	0.17	3

- The SHV series is being packaged in a highly compact case based on the premise of overmolding with epoxy or similar materials. Handling procedures for prevention of discharge through creepage or environmental effects such as humidity must be used.
- Taping specifications for the SHV series differ from those for general diodes (refer to page 187).

Package Type (Dimensions)

• No. 1 High Voltage Rectifier Diodes	• No. 2 High Voltage Rectifier Diodes	• No. 3 High Voltage Rectifier Diodes