SHV03 THRU SHV08

HIGH VOLTAGE SILICON RECTIFIER

VOLTAGE：3000- 8000V **CURRENT： 5mA**

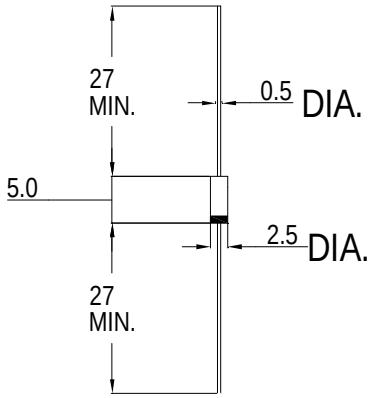
FEATURES

- Low power loss, high efficiency
- Low leakage
- Low forward voltage
- High current capability
- High speed switching
- High reliability

MECHANICAL DATA

- ***Case***:Molded plastic
- ***Epoxy***: UL 94V-0 rate flame retardant
- ***Lead***: MIL-STD- 202E, Method 208 guaranteed
- ***Polarity***: Color band denotes cathode end
- ***Mounting position***: Any

SHV



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRONICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz,resistive or inductive load.
For capacitive load, derate current by 20%.

	SYMBOL	SHV03	SHV06	SHV08	units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	3000	6000	8000	V
Maximum RMS Voltage	V_{RMS}	2100	4200	5600	V
Maximum DC Blocking Voltage	V_{DC}	3000	6000	8000	V
Maximum Average Forward Rectified Current at T_A=50°C	I_o	5.0			mA
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I_{FSM}	0.5			A
Maximum Instantaneous Forward Voltage at 0.01A DC	V_F	12	24	50	V
Maximum DC Reverse Current at Rated DC Blocking Voltage T_A=25°C	I_R	5.0			μA
Maximum Reverse Recovery Time (Note)	t_{rr}	80			nS

Notes: Test Conditions: I_F=2mA, I_{RM}=4mA.

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