R4000 THRU R5000

HIGH VOLTAGE SILICON RECTIFIER

VOLTAGE：4000-5000V **CURRENT：0.2A**

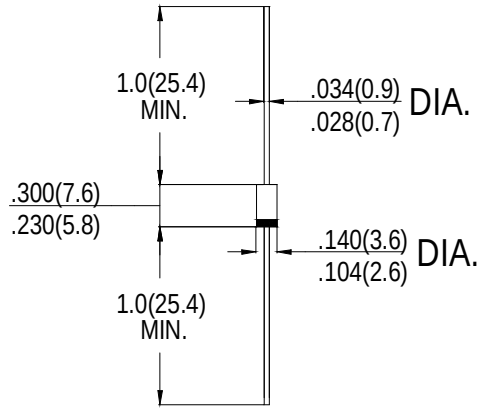
FEATURES

- Low cost
- Low leakage
- Low forward voltage drop
- High current capability

MECHANICAL DATA

- ***Case*****:** Molded plastic
- ***Epoxy*****:** UL94V-0 rate flame retardant
- ***Lead*****:** MIL-STD- 202E, Method 208 guaranteed
- ***Polarity*****:**Color band denotes cathode end
- ***Mounting position*****:** Any
- ***Weight*****:** 0.38 grams

DO-15



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	R4000	R5000	units
Maximum Recurrent Peak Reverse Voltage		V_{RRM}	4000	5000	V
Maximum RMS Voltage		V_{RMS}	2800	3500	V
Maximum DC Blocking Voltage		V_{DC}	4000	5000	V
Maximum Average Forward rectified Current at T_A=50°C		I_o	0.2		A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)		I_{FSM}	30		A
Maximum Forward Voltage Drop per element at 0.2A DC		V_F	5.0		V
Maximum DC Reverse Current at Rated DC Blocking Voltage	@ T_A=25°C	I_R	5.0		μA
	@ T_A=100°C		100		
Maximum Full Load Reverse Current Average, Full Cycle .375”(9.5mm) lead length at T_L=75°C			30		
Typical Junction Capacitance (Note)		C_J	30		pF

Notes: Measured at 1MHz and applied reverse voltage of 4.0 volts