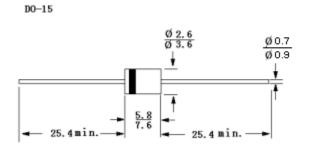
R2500 THRU R5000

HIgh Voltage Silicon Rectifiers Reverse Voltage – 2500 to 5000 V Forward Current – 0.2 A

Features

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



Dimensions in mm

Absolute MaximumRatings and Characteristics

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

Parameter	Symbols	R2500	R3000	R4000	R5000	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	2500	3000	4000	5000	V
Maximum RMS Voltage	V_{RMS}	1750	2100	2800	3500	V
Maximum DC Blocking Voltage	V_{DC}	2500	3000	4000	5000	V
Maximum Forward Voltage at 0.2 A	V _F	3.0 4.0 5.0			V	
Maximum Average Forward Rectified Current at T_A = 50 $^{\circ}\mathrm{C}$	I _(AV)	200				mA
Peak Forward Surge Current 8.3 ms Single half sine-wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	30			А	
Maximum DC Reverse Current $T_A = 25$ °C at Rated DC Blocking Voltage $T_A = 100$ °C		5.0				μΑ
	I _R	100				
Maximum Full Load Reverse Current Average, Full Cycle 0.375"(9.5 mm) Lead Length at $T_L = 75$ $^{\circ}$ C		30				
Typical Junction Capacitance 1)	CJ	30				pF
Operating and Storage Temperature Range	T_j , T_{stg}	- 55 to + 150				°С

 $^{^{\}rm 1)}$ Measured at 1 $\rm MH_{\rm Z}$ and applied reverse voltage of 4 V



