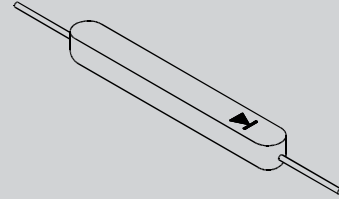


10,000 V - 45,000 V Rectifier Stacks

0.05 A Forward Current
3000 ns Recovery Time

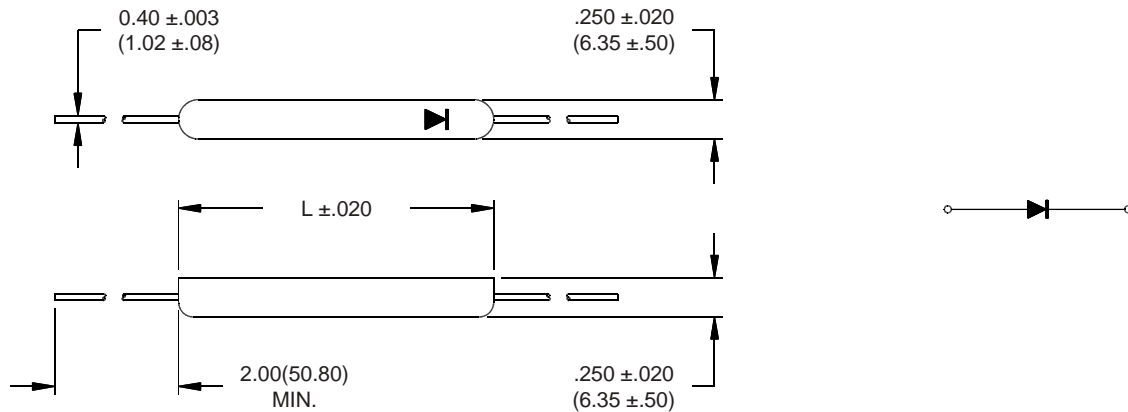
SPJ100S SPJ150S
SPJ200S SPJ250S
SPJ300S SPJ350S
SPJ400S SPJ450S



ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS

| Part Number | Working Reverse Voltage (V _{rw}) | Average Rectified Current (in oil) (I _o) | | Reverse Current @ V _{rw} (I _r) | | Forward Voltage (V _f) | | 1 Cycle Surge Current (I _{fsm}) t _p =8.3ms | Repetitive Surge Current (I _{frm}) | Reverse Recovery Time (1) (T _{rr}) | Case Length (L) (in.) |
|-------------|---|--|-------|---|-------|-----------------------------------|------|--|--|--|--------------------------|
| | | 55°C | 100°C | 25°C | 100°C | 25°C | | 25°C | 25°C | 25°C | |
| | | Amps | Amps | µA | µA | Volts | Amps | Amps | Amps | ns | |
| SPJ100S | 10000 | 0.05 | 0.03 | 0.50 | 20 | 10 | 0.10 | 5 | 1 | 3000 | 1.00 |
| SPJ150S | 15000 | 0.05 | 0.03 | 0.50 | 20 | 18 | 0.10 | 5 | 1 | 3000 | 1.15 |
| SPJ200S | 20000 | 0.05 | 0.03 | 0.50 | 20 | 20 | 0.10 | 5 | 1 | 3000 | 1.15 |
| SPJ250S | 25000 | 0.05 | 0.03 | 0.50 | 20 | 28 | 0.10 | 5 | 1 | 3000 | 1.65 |
| SPJ300S | 30000 | 0.05 | 0.03 | 0.50 | 20 | 30 | 0.10 | 5 | 1 | 3000 | 1.65 |
| SPJ350S | 35000 | 0.05 | 0.03 | 0.50 | 20 | 38 | 0.10 | 5 | 1 | 3000 | 2.10 |
| SPJ400S | 40000 | 0.05 | 0.03 | 0.50 | 20 | 40 | 0.10 | 5 | 1 | 3000 | 2.10 |
| SPJ450S | 45000 | 0.05 | 0.03 | 0.50 | 20 | 48 | 0.10 | 5 | 1 | 3000 | 2.50 |

(1)T_{rr} Testing: I_f=0.5A, I_r=1.0A, I_{rr}=0.25A *Op. Temp.= -55°C to +150°C Stg. Temp.= -55°C to +150°C



Dimensions: In. (mm) • All temperatures are ambient unless otherwise noted. • Data subject to change without notice.



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