

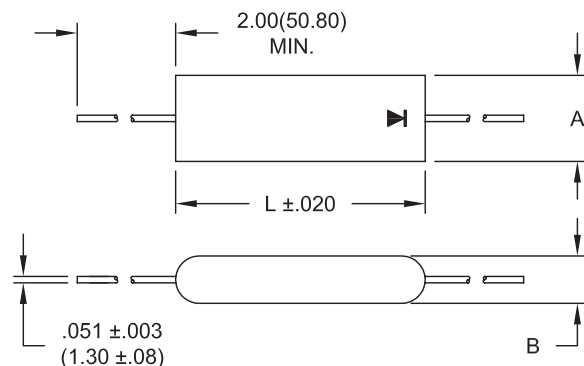
High Voltage Rectifier Stacks

0.5A - 2.2A • 70ns - 150ns • Axial Leaded

| 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 t _p =8.3ms (I _{fsm}) | Repetitive Surge Current (I _{frm}) | Reverse Recovery Time (1) (T _{rr}) | Case Length (L) |
| | | 55°C | 100°C | 25°C | 100°C | 25°C | | 25°C | 25°C | 25°C | 25°C |
| | Volts | Amps | Amps | µA | µA | Volts | Amps | Amps | Amps | ns | in. |
| SP25UF SP50UF | 2500 5000 | 0.5 0.5 | 0.33 0.33 | 1.0 1.0 | 25 25 | 6.0 11.0 | 1.5 1.0 | 60 40 | 10 8 | 70 70 | 1.125 2.000 |
| SP75UF SP100UF | 7500 10000 | 0.5 0.5 | 0.33 0.33 | 1.0 1.0 | 25 25 | 16.0 16.0 | 1.0 1.0 | 40 40 | 8 8 | 70 70 | 2.750 3.500 |
| SP125UF SP150UF | 12500 15000 | 0.5 0.5 | 0.33 0.33 | 1.0 1.0 | 25 25 | 24.0 24.0 | 1.0 1.0 | 40 40 | 8 8 | 70 70 | 4.250 4.250 |
| SP200UF SP250UF | 20000 25000 | 0.5 0.5 | 0.33 0.33 | 1.0 1.0 | 25 25 | 32.0 40.0 | 1.0 1.0 | 40 40 | 8 8 | 70 70 | 4.250 4.250 |
| SP25F SP50F | 2500 5000 | 0.5 0.5 | 0.33 0.33 | 1.0 1.0 | 25 25 | 6.0 8.0 | 1.5 1.0 | 60 40 | 10 8 | 150 150 | 1.125 2.000 |
| SP75F SP100F | 7500 10000 | 0.5 0.5 | 0.33 0.33 | 1.0 1.0 | 25 25 | 16.0 16.0 | 1.0 1.0 | 40 40 | 8 8 | 150 150 | 2.750 3.500 |
| SP125F SP150F | 12500 15000 | 0.5 0.5 | 0.33 0.33 | 1.0 1.0 | 25 25 | 24.0 24.0 | 1.0 1.0 | 40 40 | 8 8 | 150 150 | 4.250 4.250 |
| SP200F SP250F | 20000 25000 | 0.5 0.5 | 0.33 0.33 | 1.0 1.0 | 25 25 | 32.0 40.0 | 1.0 1.0 | 40 40 | 8 8 | 150 150 | 4.250 4.250 |
| FP25F FP50F | 2500 5000 | 2.2 2.2 | 1.30 1.30 | 2.0 2.0 | 50 50 | 6.0 13.0 | 3.0 3.0 | 120 120 | 20 20 | 150 150 | 1.500 2.500 |
| FP75F FP100F | 7500 10000 | 2.2 2.2 | 1.30 1.30 | 2.0 2.0 | 50 50 | 18.0 24.0 | 3.0 3.0 | 120 120 | 20 20 | 150 150 | 3.500 4.500 |
| FP125F FP150F | 12500 15000 | 2.2 2.2 | 1.30 1.30 | 2.0 2.0 | 50 50 | 30.0 36.0 | 3.0 3.0 | 120 120 | 20 20 | 150 150 | 5.500 6.500 |
| FP175F FP200F | 17500 20000 | 2.2 2.2 | 1.30 1.30 | 2.0 2.0 | 50 50 | 42.0 48.0 | 3.0 3.0 | 120 120 | 20 20 | 150 150 | 6.500 6.500 |
| FP175UF FP200UF | 17500 20000 | 2.2 2.2 | 1.30 1.30 | 2.0 2.0 | 50 50 | 42.0 48.0 | 3.0 3.0 | 120 120 | 20 20 | 100 100 | 6.500 6.500 |
| FP250UF | 25000 | 2.2 | 1.30 | 2.0 | 100 | 75.0 | 2.0 | 200 | 100 | 100 | 7.900 |

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

| Part | A | B |
|-----------|----------------------------|----------------------------|
| SP(XXXXX) | .500 ±.020 (12.70 ±.51) | .250 ±.020 (6.35 ±.51) |
| FP(XXXXX) | .690 ±.020 (17.53 ±.51) | .380 ±.020 (9.65 ±.51) |
| FP250UF | .700 ±.020 (17.78 ±.51) | .400 ±.020 (10.16 ±.51) |



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



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