

LEADED (THRU-HOLE) General Purpose & Fast Recovery Rectifiers

GENERAL PURPOSE RECTIFIERS (Including Glass Passivated, use G suffix)

Operating Temperature: -65°C to 125°C

| RF Part Number | Cross Reference | Max Avg. Rectified Current | Peak Inverse Voltage | Peak Fwd Surge Current @ 8.3ms Superimposed | Max Forward Voltage @ 25°C @ Rated I _o | Max Reverse Current @ 25°C @ Rated PIV | Package | Outline (Max in inches) | |
|----------------|-----------------|----------------------------|----------------------|---|---|--|---------|-------------------------|--|
| | | I _o (A) | PIV(V) | I _{FSM} (A) | V _{FM} (V) | I _R (A) | | | |
| 10A05 | | 10.0 A | 50 | 600 | 1.0 | 10.0 | 200/500 | | |
| 10A10 | | 10.0 A | 100 | 600 | 1.0 | 10.0 | 200/500 | | |
| 10A20 | | 10.0 A | 200 | 600 | 1.0 | 10.0 | 200/500 | | |
| 10A40 | | 10.0 A | 400 | 600 | 1.0 | 10.0 | 200/500 | | |
| 10A60 | | 10.0 A | 600 | 600 | 1.0 | 10.0 | 200/500 | | |
| 10A80 | | 10.0 A | 800 | 600 | 1.0 | 10.0 | 200/500 | | |
| 10A100 | | 10.0 A | 1000 | 600 | 1.0 | 10.0 | 200/500 | | |
| GPA801 | | 8.0 A | 50 | 150 | 1.1 | 5.0 | 50/Tube | | |
| GPA802 | | 8.0 A | 100 | 150 | 1.1 | 5.0 | 50/Tube | | |
| GPA803 | | 8.0 A | 200 | 150 | 1.1 | 5.0 | 50/Tube | | |
| GPA804 | | 8.0 A | 400 | 150 | 1.1 | 5.0 | 50/Tube | | |
| GPA805 | | 8.0 A | 600 | 150 | 1.1 | 5.0 | 50/Tube | | |
| GPA806 | | 8.0 A | 800 | 150 | 1.1 | 5.0 | 50/Tube | | |
| GPA807 | | 8.0 A | 1000 | 150 | 1.1 | 5.0 | 50/Tube | | |
| GPA1601 | | 16.0 A | 50 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GPA1602 | | 16.0 A | 100 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GPA1603 | | 16.0 A | 200 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GPA1604 | | 16.0 A | 400 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GPA1605 | | 16.0 A | 600 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GPA1606 | | 16.0 A | 800 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GPA1607 | | 16.0 A | 1000 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GP1601 | | 16.0 A | 50 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GP1602 | | 16.0 A | 100 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GP1603 | | 16.0 A | 200 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GP1604 | | 16.0 A | 400 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GP1605 | | 16.0 A | 600 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GP1606 | | 16.0 A | 800 | 150 | 1.1 | 10.0 | 50/Tube | | |
| GP1607 | | 16.0 A | 1000 | 150 | 1.1 | 10.0 | 50/Tube | | |

FAST RECOVERY

Operating Temperature: -65°C to 125°C

| RF Part Number | Cross Reference | Max Avg. Rectified Current | Peak Inverse Voltage | Peak Fwd Surge Current @ 8.3ms Superimposed | Max Forward Voltage @ 25°C @ Rated I _o | Max Reverse Current @ 25°C @ Rated PIV | Reverse Recovery Time @ Rated PIV | Package | Outline (Max in inches) |
|----------------|-----------------|----------------------------|----------------------|---|---|--|-----------------------------------|-----------|-------------------------|
| | | I _o (A) | PIV(V) | I _{FSM} (A) | V _{FM} (V) | I _R (A) | T _{RR} (ns) | | |
| FR101 | 1N4933 | 1.0 A | 50 | 30 | 1.3 | 5.0 | 150 | 1000/5000 | |
| FR102 | 1N4934 | 1.0 A | 100 | 30 | 1.3 | 5.0 | 150 | 1000/5000 | |
| FR103 | 1N4935 | 1.0 A | 200 | 30 | 1.3 | 5.0 | 150 | 1000/5000 | |
| FR104 | 1N4936 | 1.0 A | 400 | 30 | 1.3 | 5.0 | 150 | 1000/5000 | |
| FR105 | 1N4937 | 1.0 A | 600 | 30 | 1.3 | 5.0 | 250 | 1000/5000 | |
| FR106 | | 1.0 A | 800 | 30 | 1.3 | 5.0 | 500 | 1000/5000 | |
| FR107 | | 1.0 A | 1000 | 30 | 1.3 | 5.0 | 500 | 1000/5000 | |
| FR151 | | 1.5 A | 50 | 60 | 1.3 | 5.0 | 150 | 500/4000 | |
| FR152 | | 1.5 A | 100 | 60 | 1.3 | 5.0 | 150 | 500/4000 | |
| FR153 | | 1.5 A | 200 | 60 | 1.3 | 5.0 | 150 | 500/4000 | |
| FR154 | | 1.5 A | 400 | 60 | 1.3 | 5.0 | 150 | 500/4000 | |
| FR155 | | 1.5 A | 600 | 60 | 1.3 | 5.0 | 250 | 500/4000 | |
| FR156 | | 1.5 A | 800 | 60 | 1.3 | 5.0 | 500 | 500/4000 | |
| FR157 | | 1.5 A | 1000 | 60 | 1.3 | 5.0 | 500 | 500/4000 | |
| FR201 | | 2.0 A | 50 | 70 | 1.3 | 5.0 | 150 | 500/4000 | |
| FR202 | | 2.0 A | 100 | 70 | 1.3 | 5.0 | 150 | 500/4000 | |
| FR203 | | 2.0 A | 200 | 70 | 1.3 | 5.0 | 150 | 500/4000 | |
| FR204 | | 2.0 A | 400 | 70 | 1.3 | 5.0 | 150 | 500/4000 | |
| FR205 | | 2.0 A | 600 | 70 | 1.3 | 5.0 | 250 | 500/4000 | |
| FR206 | | 2.0 A | 800 | 70 | 1.3 | 5.0 | 500 | 500/4000 | |
| FR207 | | 2.0 A | 1000 | 70 | 1.3 | 5.0 | 500 | 500/4000 | |
| FR301 | | 3.0 A | 50 | 200 | 1.3 | 10.0 | 150 | 500/1200 | |
| FR302 | | 3.0 A | 100 | 200 | 1.3 | 10.0 | 150 | 500/1200 | |
| FR303 | | 3.0 A | 200 | 200 | 1.3 | 10.0 | 150 | 500/1200 | |
| FR304 | | 3.0 A | 400 | 200 | 1.3 | 10.0 | 150 | 500/1200 | |
| FR305 | | 3.0 A | 600 | 200 | 1.3 | 10.0 | 250 | 500/1200 | |
| FR306 | | 3.0 A | 800 | 200 | 1.3 | 10.0 | 500 | 500/1200 | |
| FR307 | | 3.0 A | 1000 | 200 | 1.3 | 10.0 | 500 | 500/1200 | |
| FR601 | | 6.0 A | 50 | 300 | 1.3 | 10.0 | 150 | 200/500 | |
| FR602 | | 6.0 A | 100 | 300 | 1.3 | 10.0 | 150 | 200/500 | |
| FR603 | | 6.0 A | 200 | 300 | 1.3 | 10.0 | 150 | 200/500 | |
| FR604 | | 6.0 A | 400 | 300 | 1.3 | 10.0 | 150 | 200/500 | |
| FR605 | | 6.0 A | 600 | 300 | 1.3 | 10.0 | 250 | 200/500 | |
| FR606 | | 6.0 A | 800 | 300 | 1.3 | 10.0 | 500 | 200/500 | |
| FR607 | | 6.0 A | 1000 | 300 | 1.3 | 10.0 | 500 | 200/500 | |