

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 (μ A)	Bulk/Reel	
10A05		10.0 A	50	600	1.0	10.0	200/500	R-6
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	TO-220A
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	TO-220
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	TO-220
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 (μ A)	T_{RR} (ns)	Bulk/Reel	
FR101	1N4933	1.0 A	50	30	1.3	5.0	150	1000/5000	DO-41
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	DO-15
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	DO-201AD
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	R-6
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	R-6
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	