

# SURFACE MOUNT: General Purpose, Fast Recovery, & Super Fast Recovery

### GENERAL PURPOSE RECTIFIER

Operating Temperature: -65°C to 150°C

RFE Part Number	Cross-Reference	Max.Average Rect. Current	Peak Inverse Voltage	Peak Fwd Surge Current @ 8.3ms Superimposed	Max Forward Voltage @ Ta 25°C @ Rated PIV	Max. Reverse Current @ 25°C @ Rated PIV	Package	Outline (Dimensions in mm)
		I <sub>O</sub> (A)	PIV(V)	I <sub>FSM</sub> (A)	V <sub>FM</sub> (V)	I <sub>R</sub> ( A)		
LL4001G	DL4001G	1.0 A	50	30	1.10	5	1500/5000	
LL4002G	DL4002G	1.0 A	100	30	1.10	5	1500/5000	
LL4003G	DL4003G	1.0 A	200	30	1.10	5	1500/5000	
LL4004G	DL4004G	1.0 A	400	30	1.10	5	1500/5000	
LL4005G	DL4005G	1.0 A	600	30	1.10	5	1500/5000	
LL4006G	DL4006G	1.0 A	800	30	1.10	5	1500/5000	
LL4007G	DL4007G	1.0 A	1000	30	1.10	5	1500/5000	
S1A		1.0 A	50	30	1.10	1	1800/7500	
S1B		1.0 A	100	30	1.10	1	1800/7500	
S1D		1.0 A	200	30	1.10	1	1800/7500	
S1G		1.0 A	400	30	1.10	1	1800/7500	
S1J		1.0 A	600	30	1.10	1	1800/7500	
S1K		1.0 A	800	30	1.10	1	1800/7500	
S1M		1.0 A	1000	30	1.10	1	1800/7500	
S2A		1.5 A	50	50	1.15	1	750/3200	
S2B		1.5 A	100	50	1.15	1	750/3200	
S2D		1.5 A	200	50	1.15	1	750/3200	
S2G		1.5 A	400	50	1.15	1	750/3200	
S2J		1.5 A	600	50	1.15	1	750/3200	
S2K		1.5 A	800	50	1.15	1	750/3200	
S2M		1.5 A	1000	50	1.15	1	750/3200	
S3A		3.0 A	50	100	1.15	10	850/3500	
S3B		3.0 A	100	100	1.15	10	850/3500	
S3D		3.0 A	200	100	1.15	10	850/3500	
S3G		3.0 A	400	100	1.15	10	850/3500	
S3J		3.0 A	600	100	1.15	10	850/3500	
S3K		3.0 A	800	100	1.15	10	850/3500	
S3M		3.0 A	1000	100	1.15	10	850/3500	

### FAST RECOVERY RECTIFIERS

Operating Temperature: -65°C to 150°C

RFE Part Number	Cross-Reference	Max.Average Rect. Current	Peak Inverse Voltage	Peak Fwd Surge Current @ 8.3ms Superimposed	Max Forward Voltage @ Ta 25°C @ Rated PIV	Max. Reverse Current @ 25°C @ Rated PIV	Max Reverse Recovery Time @ Rated PIV	Package	Outline (Dimensions in mm)
		I <sub>O</sub> (A)	PIV(V)	I <sub>FSM</sub> (A)	V <sub>FM</sub> (V)	I <sub>R</sub> ( A)	T <sub>RR</sub> (nS)		
LL4933G	DL4933G	1.0 A	50	30	1.3	5	200	1500/5000	
LL4934G	DL4934G	1.0 A	100	30	1.3	5	200	1500/5000	
LL4935G	DL4935G	1.0 A	200	30	1.3	5	200	1500/5000	
LL4936G	DL4936G	1.0 A	400	30	1.3	5	200	1500/5000	
LL4937G	DL4937G	1.0 A	600	30	1.3	5	200	1500/5000	
RS1A		1.0 A	50	30	1.3	5	150	1800/7500	
RS1B		1.0 A	100	30	1.3	5	150	1800/7500	
RS1D		1.0 A	200	30	1.3	5	150	1800/7500	
RS1G		1.0 A	400	30	1.3	5	150	1800/7500	
RS1J		1.0 A	600	30	1.3	5	250	1800/7500	
RS2A	FR2A	1.5 A	50	50	1.3	5	150	750/3200	
RS2B	FR2B	1.5 A	100	50	1.3	5	150	750/3200	
RS2D	FR2D	1.5 A	200	50	1.3	5	150	750/3200	
RS2G	FR2G	1.5 A	400	50	1.3	5	150	750/3200	
RS2J	FR2J	1.5 A	600	50	1.3	5	250	750/3200	
RS2K	FR2K	1.5 A	800	50	1.3	5	500	750/3200	
RS3A	FR3A	3.0 A	50	100	1.3	10	150	850/3500	
RS3B	FR3B	3.0 A	100	100	1.3	10	150	850/3500	
RS3D	FR3D	3.0 A	200	100	1.3	10	150	850/3500	
RS3G	FR3G	3.0 A	400	100	1.3	10	150	850/3500	
RS3J	FR3J	3.0 A	600	100	1.3	10	250	850/3500	
RS3K	FR3K	3.0 A	800	100	1.3	10	500	850/3500	

### SUPER FAST RECOVERY DIODE

Operating Temperature: -50 C to 150 C

Part Number	Cross-Reference	Max.Average Rect. Current	Peak Inverse Voltage	Peak Fwd Surge Current @ 8.3ms Superimposed	Max Forward Voltage @ Ta 25 C @ Rated PIV	Max. Reverse Current @ 25 C @ Rated PIV	Max Reverse Recovery Time @ Rated PIV	Package	Outline (Dimensions in mm)
		I <sub>O</sub> (A)	PIV(V)	I <sub>FSM</sub> (A)	V <sub>FM</sub> (V)	I <sub>R</sub> (mA)	T <sub>RR</sub> (nS)		
ES1A		1.0A	50	30	0.95	5	35	1800/7500	
ES1B		1.0A	100	30	0.95	5	35	1800/7500	
ES1C		1.0A	150	30	0.95	5	35	1800/7500	
ES1D		1.0A	200	30	0.95	5	35	1800/7500	
ES1E		1.0A	300	30	1.25	5	35	1800/7500	
ES1G		1.0A	400	30	1.25	5	35	1800/7500	
ES1J		1.0A	500	30	1.7	5	35	1800/7500	
ES2A		2.0A	50	50	0.95	5	35	750/3200	
ES2B		2.0A	100	50	0.95	5	35	750/3200	
ES2C		2.0A	150	50	0.95	5	35	750/3200	
ES2D		2.0A	200	50	0.95	5	35	750/3200	
ES2E		2.0A	300	50	1.25	5	35	750/3200	
ES2G		2.0A	400	50	1.25	5	35	750/3200	
ES2J		2.0A	500	50	1.7	5	35	750/3200	

ES3\_ are on the next page.