

Power Devices

General Purpose Rectifiers (in order of current rating)

Type No.	Package Outline	Average Forward Current I_F (AV) max. (1)	Repetitive Peak Reverse Voltage V_{RRM} max.	Surge (Non-Repetitive) Forward Current I_{FSM} max. (2)	Voltage Drop V_F max. @ I_F (3)	Controlled Avalanche Characteristics
BYD11D BYD11G BYD11J BYD11K BYD11M	SOD-91	0.58A	200V 400V 600V 800V 1000V	10A	1.2V at 1A	YES
1N4001ID 1N4002ID 1N4003ID 1N4004ID 1N4005ID 1N4006ID 1N4007ID	SOD-81	1A	50V 100V 200V 400V 600V 800V 1000V	25A*	1.1V at 1A	YES
BYD13D BYD13G BYD13J BYD13K BYD13M	SOD-81	1.4A	200V 400V 600V 800V 1000V	20A	1.05V AT 1A	YES
PRLL4001 PRLL4002 BYD17D BYD17G BYD17J BYD17K BYD17M	SOD-87 (SMD)	1.5A	50V 100V 200V 400V 600V 800V 1000V	20A	0.8V at 1A 0.8V at 1A 1.05V at 1A 1.05V at 1A 1.05V at 1A 1.05V at 1A 1.05V at 1A	YES
BY627	SOD-84	2A	1250V	50A	1.65V at 10A	YES
BYW54 BYW55 BYW56	SOD-57 (Glass Bead)	2A	600V 800V 1000V	50A	1.15V at 2.5A	YES
1N5059 1N5060 1N5061 1N5062	SOD-57 (Glass Bead)	2A	200V 400V 600V 800V	50A	1.15V at 2.5A	YES
BYM56A BYM56B BYM56C BYM56D BYM56E	SOD-64 (Glass Bead)	3.5A	200V 400V 600V 800V 1000V	100A	0.95 at 3A	YES
BY249-300† -600 -800	TO-220AC	7A	300V 600V 800V	60A	1.6V at 20A	

(1) T_{mb} = max. rated (2) $T_j = T_j$ max., $t = 10$ ms (3) $T_j = 25^\circ\text{C}$ * $t = 8.3$ ms

† Reverse polarity types (stud or baseplate anode) are also available. They are denoted by the final letter R, e.g. BYX38-300R.