

New Jersey Semi-Conductor Products, Inc.

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Rectifiers

1N645 Series - 400ma Rectifiers in D0-35 Package

Type	Peak Inverse Voltage (MIN.) PIV Volts	Breakdown Voltage (MIN.) Bv @ 100µA Volts	Average Rectified Current I_o 25° C Amps	Average Rectified Current I_o 150° C Amps	Forward Voltage Drop (MAX.) V_F Volts	Reverse Current (MAX.) I_R @ PIV 25° C µA	Reverse Current (MAX.) I_R @ PIV 150° C µA	Surge Current (MAX.) I_F (surge) (NOTE 1) Amps	Junction Capacitance (MAX.) C @ 4V pF
1N645-1	225	270	0.4	0.15	0.80 - 1.0V	.050	25	5	20
1N647-1	400	480	0.4	0.15	MAX @	.050	25	5	20
1N649-1	600	720	0.4	0.15	400mAdc	.050	25	5	20
PULSED									
1N645	225	270	0.4	0.15	1.0V	.025	15	5	20
1N647	400	480	0.4	0.15	MAX @	.025	15	5	20
1N649	600	720	0.4	0.15	400mAdc	.050	25	5	20
PULSED									

NOTE 1: $T_A = 150^\circ C$, $I_o = 150mAdc$, 10 surges of 8.3 msec

1N3611 Series - General Purpose Rectifiers in "A" Body Package

Type	Peak Inverse Voltage (MIN.) PIV Volts	Breakdown Voltage (MIN.) Bv @ 100µA Volts	Average Rectified Current I_o 100° C Amps	Average Rectified Current I_o 150° C Amps	Forward Voltage Drop (MAX.) V_F Volts	Reverse Current (MAX.) I_R @ PIV 25° C µA	Reverse Current (MAX.) I_R @ PIV 150° C µA	Surge Current (MAX.) (NOTE 1) Amps
1N3611	200	240	1.0	0.3	1.1	1.0	300	30
1N3612	400	480	1.0	0.3	1.1	1.0	300	30
1N3613	600	720	1.0	0.3	1.1	1.0	300	30
1N3614	800	920	1.0	0.3	1.1	1.0	300	30

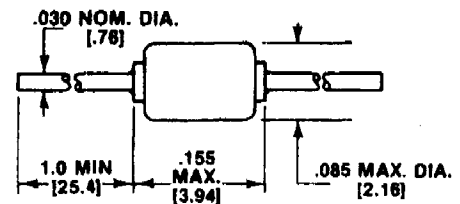
NOTE 1: $T_A = 150^\circ C$, $F = 60 Hz$, $I_o = 300mA$, 10 surges of 8 msec. @ 1/minute

MECHANICAL CONFIGURATIONS

PHYSICAL DIMENSIONS

DIMENSIONS IN INCHES (MM)

PACKAGE A



Quality Semi-Conductors