

COMPUTER DIODE

General Purpose
Switching

1N914; JAN, JANTX 1N914
1N4148; JAN, JANTX, JANTXV 1N4148
JAN, JANTX, JANTXV 1N4148-1
1N4531; JAN, JANTX, JANTXV 1N4531

FEATURES

- Metallurgical Bond
- Qualified to MIL-S-19500/116
- Planar Passivated Chip
- DO-34 or DO-35 Package
- Non-JAN Available

DESCRIPTION

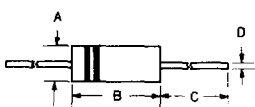
This series is very popular for general purpose switching applications in electronic equipment.

ABSOLUTE MAXIMUM RATINGS, AT 25°C

Reverse Breakdown Voltage	100V
Peak Working Voltage	75V
Average Output Current, 1N914	.75mAdc
1N4148	200mAdc
1N4148-1	200mAdc
1N4531	125mAdc
Surge Current, 8.3ms	500mA
Operating Temperature Range	-65°C to +175°C
Storage Temperature Range	-65°C to +200°C

MECHANICAL SPECIFICATIONS

J, JTX 1N914
J, JTX, JTXV 1N4148
J, JTX, JTXV 1N4148-1
J, JTX, JTXV 1N4531




	INCHES	MILLIMETERS
A	.050-.065	1.27-1.65
B	.080-.120	2.03-3.05
C	1.0 MIN.-1.5 MAX.	25.4 MIN.-38.1 MAX.
D	.018-.022	.46-.56

	INCHES	MILLIMETERS
A	.058-.107	1.42-2.72
B	.140-.300	3.56-7.62
C	1.0 MIN.-1.5 MAX.	25.4 MIN.-38.1 MAX.
D	.018-.022	.46-.56

	INCHES	MILLIMETERS
A	.056-.075	1.42-1.91
B	.140-.180	3.56-4.57
C	1.0 MIN.-1.5 MAX.	25.4 MIN.-38.10 MAX.
D	.018-.022	.46-.56

DO-34
1N4531

DO-35
1N914
1N4148



ELECTRICAL SPECIFICATIONS (at 25°C unless noted)

Reverse Current @ 25°C 25nAdc @ $V_R = 20Vdc$	Reverse Current @ 25°C 0.5 μ Adc @ $V_R = 75Vdc$	Peak Reverse Current @ 25°C 100 μ A (pk) @ $V_R = 100V$ (pk)	Reverse Current @ 150°C 50 μ Adc @ $V_R = 20Vdc$	Reverse Current @ 150°C 100 μ Adc @ $V_R = 75Vdc$
Forward Voltage 1.0Vdc @ $I_F = 10mAdc$	Forward Recovery Voltage 5.0V (pk) @ $I_F = 50mAdc$	Forward Recovery Time 20ns @ $I_F = 50mAdc$	Reverse Recovery Time 5ns @ $I_F = I_R = 10mA$ $R_L = 100$ ohms	Capacitance 4.0 pF @ $V_R = 0V, f = 1$ MHz $V_{sig} = 50mV$ (pk-pk) 2.8 pF @ $V_R = 1.5V, f = 1$ MHz $V_{sig} = 50mV$ (pk-pk)

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