

**1N2927  
thru  
1N2934A**

**TUNNEL DIODES**

**ABSOLUTE MAXIMUM RATINGS**

Operating Temperature: -65°C to +150°C.

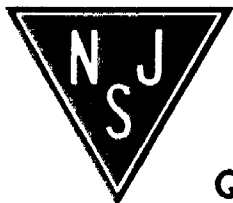
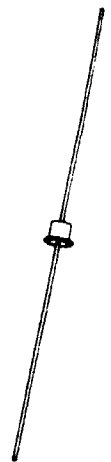
Storage Temperature: -65°C to +200°C.

Lead Temperature (.25-inches from case for 10 seconds): +250°C.

**SPECIFICATIONS**

**Electrical**

JEDEC TYPE NUMBER	STATIC CHARACTERISTICS								DYNAMIC CHARACTERISTICS		
	PEAK POINT CURRENT $I_p$		MAXIMUM VALLEY POINT CURRENT $I_v$	MAXIMUM PEAK POINT VOLTAGE $V_p$	MAXIMUM VALLEY POINT VOLTAGE $V_v$	FORWARD VOLTAGE @ APPLIED CURRENT $V_f$ @ $I_f$			MAX. FORWARD CURRENT $I_f$ (MAX.) @ 25°C	DEGRATE $I_f$ MAX. RATE APPROX 25°C	MAX. REVERSE CURRENT $I_r$ (MAX.) @ 25°C
	mA		mA	mV	mV	mV		mA	mA	μA/°C	mA
	MIN.	MAX.				MIN.	MAX.				
1N2927	.09	.11	.035	75	475	600	1000	.11	0.50	3.5	1.0
1N2927A	.098	.102	.030	70	475	650	1000	.102	0.50	3.5	1.0
1N2928	.42	.52	.170	80	490	670	1000	.52	2.50	18.0	5.0
1N2928A	.46	.48	.145	74	490	710	1000		2.50	18.0	5.0
1N2929	.90	1.10	.350	80	500	700	1000	1.10	5.0	35.0	10.0
1N2929A	.98	1.02	.300	75	500	730	1000	1.02	5.0	35.0	10.0
1N2930	4.23	5.17	1.70	85	520	740	1000	5.17	15.0	100.0	30.0
1N2930A	4.61	4.79	1.45	79	520	750	1000	4.79	15.0	100.0	30.0
1N2931	9.0	11.0	3.50	85	530	740	1000	11.0	25.0	150.0	50.0
1N2931A	9.8	10.2	3.0	80	530	750	1000	10.2	25.0	150.0	50.0
1N2932	19.8	24.2	8.0	90	530	740	1000	24.2	40.0	240.0	80.0
1N2932A	21.56	22.44	6.5	82	530	750	1000	22.44	40.0	240.0	80.0
1N2933	42.3	51.7	17.0	90	530	740	1000	51.7	75.0	450.0	150.0
1N2933A	46.06	47.94	14.5	83	530	750	1000	47.94	75.0	450.0	150.0
1N2934	90.0	110.0	35.0	90	530	720	1000	110.0	150.0	900.0	300.0
1N2934A	98.0	102.0	30.0	85	530	730	1000	102.0	150.0	900.0	300.0



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**Quality Semi-Conductors**