

**1N2927
 thru
 1N2934A**

TUNNEL DIODES

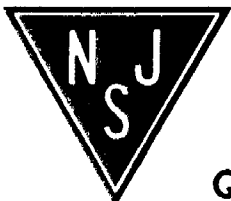
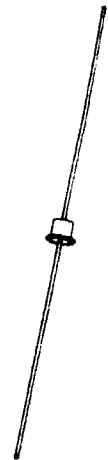
ABSOLUTE MAXIMUM RATINGS

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	SWITCH I_s MAX. APPLIED 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	850	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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