

Zeners 1N4370A - 1N4372A 1N746A - 1N759A

Absolute Maximum	Ratings *	T _A = 25°C unless otherwise noted
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Symbol	Parameter	Value	Units	
PD	Power Dissipation	500	mW	
	@ TL \leq 75°C, Lead Length = 3/8"			
	Derate above 75°C	4.0	mW/°C	
T _J , T _{STG}	Operating and Storage Temperature Range	-65 to +200	°C	
* These ratings are limiting values above which the serviceability of the diode may be impaired.				



Electrical Characteristics TA=25°C unless otherwise noted

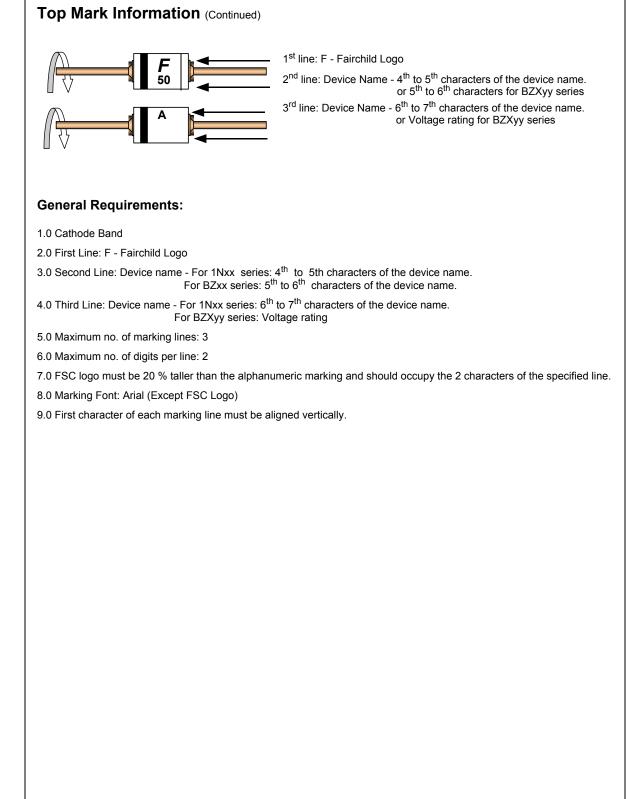
Device V _Z (V	V _Z (V)	V) @ Iz = 20mA (Note 1)		7 (0) @ 1 = 20m 4	I _{ZM} (mA)	I _R (μΑ) @ V _R = 1V	
Device	Min.	Тур.	Max.	Z _Z (Ω) @ I _Z = 20mA	(Note 2)	Ta = 25°C	Ta = 125°C
1N4370A	2.28	2.4	2.52	30	150	100	200
1N4371A	2.57	2.7	2.84	30	135	75	150
1N4372A	2.85	3.0	3.15	29	120	50	100
1N746A	3.14	3.3	3.47	28	110	10	30
1N747A	3.42	3.6	3.78	24	100	10	30
1N748A	3.71	3.9	4.10	23	95	10	30
1N749A	4.09	4.3	4.52	22	85	2	30
1N750A	4.47	4.7	4.94	19	75	2	30
1N751A	4.85	5.1	5.36	17	70	1	20
1N752A	5.32	5.6	5.88	11	65	1	20
1N753A	5.89	6.2	6.51	7	60	0.1	20
1N754A	6.46	6.8	7.14	5	55	0.1	20
1N755A	7.13	7.5	7.88	6	50	0.1	20
1N756A	7.79	8.2	8.61	8	45	0.1	20
1N757A	8.65	9.1	9.56	10	40	0.1	20
1N758A	9.50	10	10.5	17	35	0.1	20
1N759A	11.40	12	12.6	30	30	0.1	20
V _F Forward	Voltage = 1.	5V Max @ I	= 200mA	•		•	•

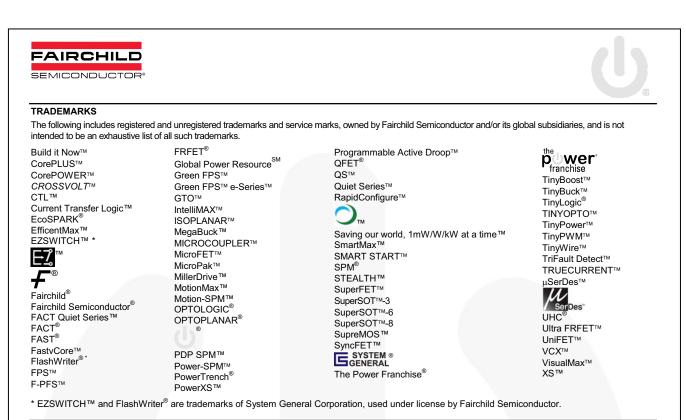
Notes:

Xener Voltage (V_Z)
The zener voltage is measured with the device junction in the thermal equilibrium at the lead temperature (T_L) at 30°C ± 1°C and 3/8" lead length.
Maximum Zener Current Ratings (I_{ZM})
The maximum current handling capability on a worst case basis is limited by the actual zener voltage at the operation point and the power derating curve.

Device	Line 1	Line 2	Line 3
IN4370A	LOGO	37	0A
IN4371A	LOGO	37	1A
IN4372A	LOGO	37	2A
IN746A	LOGO	46	А
IN747A	LOGO	47	A
IN748A	LOGO	48	А
N749A	LOGO	49	А
N750A	LOGO	50	А
IN751A	LOGO	51	А
N752A	LOGO	52	A
N753A	LOGO	53	А
IN754A	LOGO	54	А
IN755A	LOGO	55	А
IN756A	LOGO	56	А
N757A	LOGO	57	А
N758A	LOGO	58	А
IN759A	LOGO	59	А

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