



# NAINA SEMICONDUCTOR LTD.

(An ISO 9001:2000 Certified Company)

D-95, SECTOR 63, NOIDA (INDIA)

www.nainasemi.com

## ZENER DIODE

### BZY93 Series

ELECTRICAL SPECIFICATION @ Tamb 25°C

Stud Cathode Part Number	Stud Anode Part Number	Zener Voltage Vz (Volts) @ Iz		Iz (A)	Zener Resistance Rz (Ω) @ Iz		Maximum Reverse Leakage IR @ VR	
		MIN	MAX		Typ	Max	(mA)	(Volts)
BZY93C7V5*	BZY93C7V5R	7.0	7.9	2.0	0.04	0.3	0.10	5.1
BZY93C8V2	BZY93C8V2R	7.7	8.7	2.0	0.05	0.3	0.10	5.6
BZY93C9V1*	BZY93C9V1R	8.5	9.6	1.0	0.07	0.5	0.05	6.2
BZY93C10	BZY93C10R	9.4	10.6	1.0	0.09	0.5	0.05	6.8
BZY93C11	BZY93C11R	10.4	11.6	1.0	0.08	1.0	0.05	7.5
BZY93C12*	BZY93C12R*	11.4	12.7	1.0	0.08	1.0	0.05	8.2
BZY93C13*	BZY93C13R*	12.4	14.1	1.0	0.08	1.0	0.05	9.1
BZY93C15	BZY93C15R*	13.8	15.6	1.0	0.10	1.2	0.05	10
BZY93C16	BZY93C16R	15.3	17.1	0.5	0.18	1.2	0.05	11
BZY93C18*	BZY93C18R*	16.8	19.1	0.5	0.20	1.5	0.05	12
BZY93C20	BZY93C20R	18.8	21.2	0.5	0.20	1.5	0.05	13
BZY93C22	BZY93C22R	20.8	23.3	0.5	0.21	1.8	0.05	15
BZY93C24	BZY93C24R	22.7	25.9	0.5	0.22	2.0	0.05	16
BZY93C27	BZY93C27R*	25.1	28.9	0.5	0.25	2.0	0.05	18
BZY93C30*	BZY93C30R	28.0	32.0	0.5	0.30	2.5	0.05	20
BZY93C33	BZY93C33R	31.0	35.0	0.5	0.75	4.0	0.05	22
BZY93C36	BZY93C36R*	34.0	38.0	0.2	0.85	5.0	0.05	24
BZY93C39	BZY93C39R	37.0	41.0	0.2	0.90	6.5	0.05	27
BZY93C43	BZY93C43R	40.0	46.0	0.2	1.00	7.0	0.05	30
BZY93C47	BZY93C47R	44.0	50.0	0.2	1.00	7.5	0.05	33
BZY93C51	BZY93C51R	48.0	54.0	0.2	1.20	8.0	0.05	36
BZY93C56*	BZY93C56R	52.0	60.0	0.2	1.30	9.0	0.05	39
BZY93C62	BZY93C62R	58.0	66.0	0.2	1.50	10.0	0.05	43
BZY93C68	BZY93C68R*	64.0	72.0	0.2	1.80	11.0	0.05	47
BZY93C75*	BZY93C75R	70.0	79.0	0.2	2.00	15.0	0.05	51

- Forward voltage Vf 1.5V max @ If ≤ 5A 300μS square wave pulse
- Vz measured with pulse ≤ 100μS and duty cycle ≤ 0.001
- Rz determined with DC plus 10% superimposed AC @ 1KHz



DO-4



STUD CATHODE NORMAL



STUD ANODE REVERSE