

specification

PRODUCT SPECIFICATION

Glass-package pressure
regulator diode

Glass Case Zener Diodes

(DO-35 series)

DO-35 Pressure Diode Series

Silicon planar voltage diode

model	*Stable voltage range		dynamic resistance			Stable voltage temperature coefficient	reverse leakage current	Allow for working current	dissipated power	
Type	*Zener Voltage Range@ I _{ZT}		Dynamic Resistance			Temperature Coefficient Of Zener Voltage	Reverse Leakage Current @ V _R	Maximum Zener Current	Power Dissipation @ 25 °C T _A	
	V _Z	I _{ZT}	R _{ZJT}	R _{ZJK@}	I _{ZK}	a V/Z	I _R	V _R	I _{ZM}	P _D
DO-35 Package	Min	Max	Max	Max	m A	% / °C	hill A	V	m A	mW
	Min	Max	Max	Max	m A	Typ	Max		Max	
BZX 55/C 2V 0	1.90	2.10	5	85	600	1	-0.090	100	1	185
BZX 55/C 2V 4	2.09	2.31	5	85	600	1	-0.085	50	1	155
BZX 55/C 2V 7	2.57	2.83	5	85	600	1	-0.080	10	1	135
BZX 55/C 3V 0	2.85	3.15	5	85	600	1	-0.075	4	1	125
BZX 55/C 3V 3	3.14	3.46	5	85	600	1	-0.070	2	1	115
BZX 55/C 3V 6	3.42	3.78	5	85	600	1	-0.065	2	1	105
BZX 55/C 3V 9	3.71	4.09	5	85	600	1	-	2	1	95
BZX 55/C 4V 3	4.09	4.51	5	75	600	1	0.060	1	1	90
BZX 55/C 4V 7	4.47	4.93	5	60	600	1	±0.05	0.5	1	85
BZX 55/C 5V 1	4.85	5.35	5	35	550	1	5	0.1	1	80
BZX 55/C 5V 6	5.32	5.88	5	25	450	1	±0.03	0.1	1	70
BZX 55/C 6V 2	5.89	6.51	5	10	200	1	0	0.1	2	64
BZX 55/C 6V 8	6.46	7.14	5	8	150	1	±0.03	0.1	3	58
BZX 55/C 7V 5	7.13	7.87	5	7	50	1	0	0.1	5	53
BZX 55/C 8V 2	7.79	8.61	5	7	50	1	0.038	0.1	6.2	48
BZX 55/C 9V 1	8.65	9.55	5	10	50	1	0.045	0.1	6.8	43
BZX 55/C 10	9.50	10.50	5	15	70	1	0.050	0.1	7.5	40
BZX 55/C 11	10.45	11.55	5	20	70	1	0.058	0.1	8.2	36
BZX 55/C 12	11.40	12.60	5	20	90	1	0.062	0.1	9.1	32
BZX 55/C 13	12.35	13.65	5	26	110	1	0.068	0.1	10	29
BZX 55/C 15	14.25	15.75	5	30	110	1	0.075	0.1	11	27
BZX 55/C 16	15.20	16.80	5	40	170	1	0.076	0.1	12	24
BZX 55/C 18	17.10	18.90	5	50	170	1	0.077	0.1	13	21
BZX 55/C 20	19.00	21.00	5	55	220	1	0.079	0.1	15	20
BZX 55/C 22	20.90	23.10	5	55	220	1	0.082	0.1	16	18
BZX 55/C 24	22.80	25.20	5	80	220	1	0.083	0.1	18	16
BZX 55/C 27	25.65	28.35	5	80	220	1	0.085	0.1	20	14
BZX 55/C 30	28.50	31.50	5	80	220	1	0.086	0.1	22	13
BZX 55/C 33	31.35	34.65	5	80	220	1	0.087	0.1	24	12
BZX 55/C 36	34.20	37.80	5	80	220	1	0.088	0.1	27	11
BZX 55/C 39	37.05	40.90	2.5	90	500	0.5	0.090	0.1	30	10
BZX 55/C 43	40.85	45.15	2.5	90	600	0.5	0.091	0.1	33	9.2
BZX 55/C 47	44.65	49.35	2.5	110	700	0.5	0.092	0.1	36	8.5
BZX 55/C 51	48.45	53.55	2.5	120	700	0.5	0.093	0.1	39	7.8
BZX 55/C 56	53.20	58.80	2.5	135	1000	0.5	0.094	0.1	43	7.0
BZX 55/C 62	58.90	65.10	2.5	150	1000	0.5	0.095	0.1	47	6.4
BZX 55/C 68	64.60	71.40	2.5	200	1000	0.5	0.095	0.1	51	5.9
BZX 55/C 75	71.25	78.75	2.5	250	1500	0.5	0.096	0.1	56	5.3
							0.096			
							0.096			
							0.096			
							0.096			
							0.096			

500

Features

- Silicon Planar Zener Diodes .
- For use as voltage stabilizer or voltage reference .
- The Zener voltage are graded according international

Mechanical Data

Print :

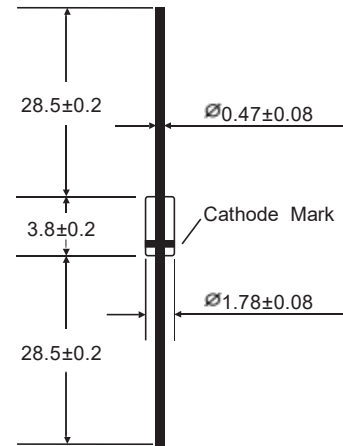
Case : DO -35 Glass Case

Weight : approx .0. 13g

Packaging Codes /Options :

BP : 10K per box , 100K /carton

AP : 5K per Ammo tape (52mm tape), 100K /carton



Glass Case JEDEC DO -35

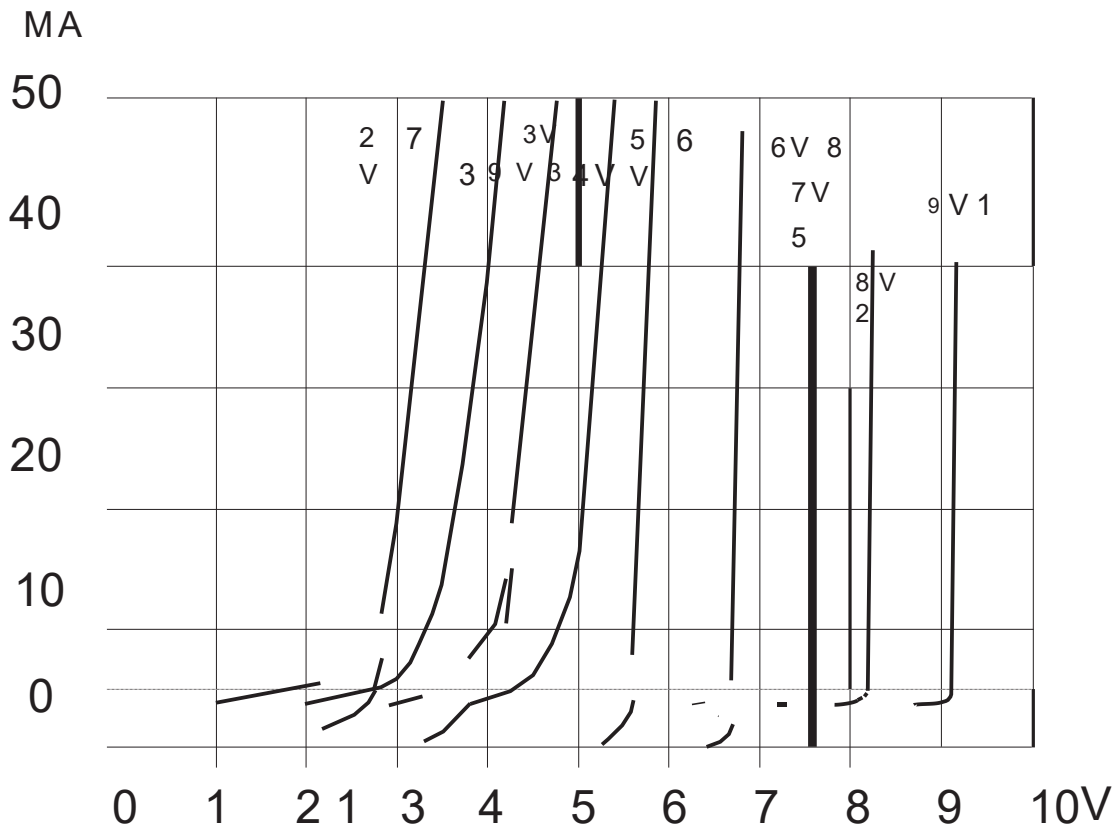
Dimensions in millimeters

Maximum Ratings and Thermal Characteristics $T_A = 25\text{ C}$ unless otherwise noted

Parameter	Symbol	Limit	Unit
Power Dissipation at $T_{amb} = 25\text{ C}$	P_{tot}	500	mW
Junction Temperature	T_j	175	C
Storage Temperature	T_S	- 65 to +175	°C
Forward Voltage at $I_F = 100\text{ mA}$	V_F	1.1	V

D0-35 Pressure Diode Series

Silicon planar voltage diode



D0-35 (2V ~10V)

