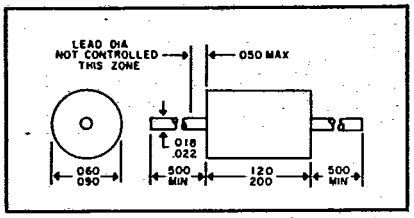
DO-35 Case



Stabistors are diffused silicon diodes with controlled forward voltage characteristics. They are offered with reference voltages from 0.560V to 7.800V in DO-35 packages.

All stabistor diodes are manufactured in double plug packages with silicon dice fused to the ends of the plug. This technique results in diodes with stable forward reference characteristics.

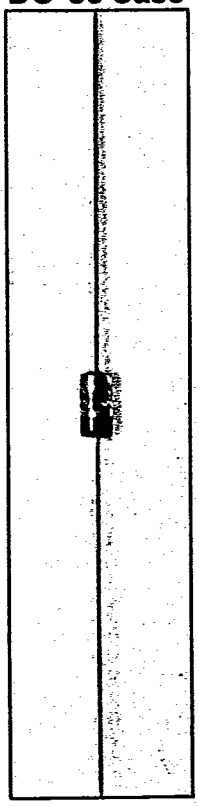
Applications may be found in a broad range of circuits where stable forward reference sources are required, such as voltage regulation, sensing, comparing, protecting, and in computer circuitry.

DO-35 Case

Type	Voltage	Tolerance	Maximum Leakage Current	Test Current	Maximum Dynamic Impedance	Typical Temperature Coefficient	Dissipation
	V_R	5%	I_r @ 10V	I_T	Z_T @ I_T	T_C	P
	V	±V	μA	mA	Ω	%/°C	mW
1N816	.704	.035		1	—	—	—
1N3896	.775	.039		50	2.5	.020	—
AP3897	1.500	.075	10	30	5.0	.022	—
AP3898	2.000	.100		20	10.0	.023	—
AP4829	1.900	.095		100	—	—	—
AP4830	2.60 max	.135		100	—	—	—
BZ102/0V7	.700	.035		5	10	.023	—
BZ102/1V4	1.400	.070	10	5	20	.023	—
BZ102/2V1	2.100	.105		5	30	.023	—
BZ102/2V8	2.800	.140		5	40	.023	—
BZ102/3V4	3.450	.173		5	50	.023	—
BZX75C1V4	1.400	.070		10	10	.033	—
BZX75C2V1	2.100	.105	10	10	15	.050	—
BZX75C2V8	2.800	.140		10	20	.066	—
BZX75C3V6	3.600	.180		10	25	.082	—
G129	.560	.028		1	—	—	—
G130	.640	.032		1	—	—	—
ST22	.640	.032	10	1	60	.031	—
ST23	.600	.030		1	45	.033	—
ST37	.830	.042		100	15	—	—
ST38	1.650	.083		100	30	—	—
ST39	2.500	.125		100	45	—	—
ST41	3.300	.165	10	100	6	—	—
STB-1	.650	.033*		10	—	—	—
STB-2	1.300	.065		10	—	—	—
STB-4	2.600	.130		10	—	—	—
STB-567	1.460	.146*	10	10	—	—	—
STB-568	2.200	.110		10	—	—	—
STB-569	2.870	.144	10	10	—	—	—
AP2361	1.35	.068		10	—	—	—

* 10%

DO-35 Case



DO-35 Case

Type	Voltage Range	Maximum Leakage Current	Test Current	Maximum Dynamic Impedance	Typical Temperature Coefficient	Dissipation
	V_R	I_r @ 10V	I_T	Z_T @ I_T	T_C	P
	V	μA	mA	Ω	%/°C	mW
APD200	1.220-1.340	10*	1	—	—	—
	1.390-1.540		10	—	—	—
	1.600-1.760		100	—	—	—
APD300	1.840-2.030	10*	1	—	—	—
	2.100-2.330		10	—	—	—
	2.400-2.650		100	—	—	—
APD400	2.470-2.710	10*	1	—	—	—
	2.800-3.070		10	—	—	—
	3.160-3.490		100	—	—	—
AP4156	1.210-1.410	10‡	1	—	—	—
	1.380-1.580		10	—	—	—
	1.540-1.840		100	—	—	—
AP4157	1.850-2.050	10‡	1	—	—	—
	2.120-2.320		10	—	—	—
	2.360-2.660		100	—	—	—
AP5179	2.100-2.800	10‡	1	—	—	—
	2.600-3.100		10	—	—	—
	3.000-3.700		100	—	—	—

*@ 30V
‡@ 20V