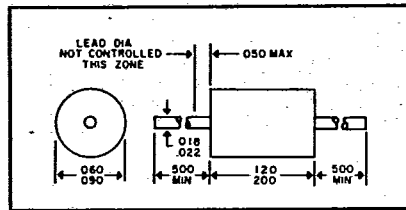


STABISTORS

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.

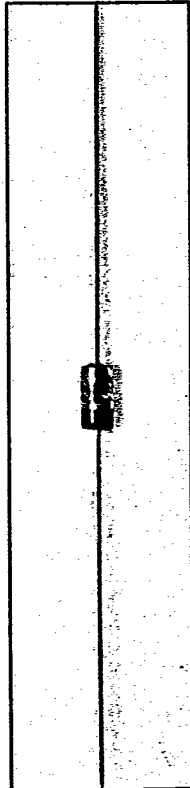
Applications may be found in a broad range of circuits where stable forward reference sources are required, such as voltage regulation, sensing, comparing, protecting, and in computer circuitry.

DO-35 Case

Type	Voltage	Tolerance	Maximum Leakage Current	Test Current	Maximum Dynamic Impedance	Typical Temperature Coefficient	Dissipation
	V_R	5%	I_L @ 10V	I_T	Z_T @ I_T	T_c	P
	V	$\pm V$	μA	mA	Ω	%/°C	mW
1N816	.704	.035	10	1	—	—	—
1N3896	.775	.039		50	2.5	.020	—
AP3897	1.500	.075		30	5.0	.022	—
AP3898	2.000	.100		20	10.0	.023	—
AP4829	1.900	.095		100	—	—	—
AP4830	2.60 max	.135	10	100	—	—	—
BZ102/0V7	.700	.035		5	10	.023	—
BZ102/1V4	1.400	.070		5	20	.023	—
BZ102/2V1	2.100	.105		5	30	.023	—
BZ102/2V8	2.800	.140		5	40	.023	—
BZ102/3V4	3.450	.173	10	5	50	.023	—
BZX75C1V4	1.400	.070		10	10	.033	—
BZX75C2V1	2.100	.105		10	15	.050	—
BZX75C2V8	2.800	.140		10	20	.066	—
BZX75C3V6	3.600	.180		10	25	.082	—
G129	.560	.028	10	1	—	—	—
G130	.640	.032		1	—	—	—
ST22	.640	.032		1	60	.031	—
ST23	.600	.030		1	45	.033	—
ST37	.830	.042		100	15	—	—
ST38	1.650	.083	10	100	30	—	—
ST39	2.500	.125		100	45	—	—
ST41	3.300	.165		100	6	—	—
STB-1	.650	.033*		10	—	—	—
STB-2	1.300	.065		10	—	—	—
STB-4	2.600	.130	10	10	—	—	—
STB-567	1.460	.146*		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_L @ 10V	I_T	Z_T @ I_T	T_c	P
	V	μA	mA	Ω	%/°C	mW
APD200	1.220-1.340 1.390-1.540 1.600-1.760	10*	1 10 100	— — —	— — —	— — —
APD300	1.840-2.030 2.100-2.330 2.400-2.650	10*	1 10 100	— — —	— — —	— — —
APD400	2.470-2.710 2.800-3.070 3.160-3.490	10*	1 10 100	— — —	— — —	— — —
AP4156	1.210-1.410 1.380-1.580 1.540-1.840	10‡	1 10 100	— — —	— — —	— — —
AP4157	1.850-2.050 2.120-2.320 2.360-2.660	10‡	1 10 100	— — —	— — —	— — —
AP5179	2.100-2.800 2.600-3.100 3.000-3.700	10‡	1 10 100	— — —	— — —	— — —

* @ 30V
‡ @ 20V