

Zener Type No.	Zener Voltage at I_{ZT}		Max. Zener Impedance @ I_{ZT} Ohms	Zener Voltage Tolerance	Power Rating	Device Package	MICROSEMI Recommended Substitute
	Volts	@ mA					
1N717	13.0	25.0	11.0	No Suffix = 10% Suffix A = 5%	250 mw	DO-7/DO-35	
1N718	15.0	"	13.0		"	"	
1N719	16.0	12.0	15.0		"	"	
1N720	18.0	"	17.0	" "	"	"	
1N721	20.0	4.0	20.0	" "	"	"	
1N722	22.0	"	24.0	" "	"	"	
1N723	24.0	"	28.0	" "	"	"	
1N724	27.0	"	35.0	" "	"	"	
1N725	30.0	"	42.0	" "	"	"	
1N726	33.0	"	50.0	" "	"	"	
1N727	36.0	"	60.0	" "	"	"	
1N728	39.0	"	70.0	" "	"	"	
1N729	43.0	"	84.0	" "	"	"	
1N730	47.0	"	98.0	" "	"	"	
1N731	51.0	"	115.0	" "	"	DO-7	
1N732	56.0	"	140.0	" "	"		
1N733	62.0	2.0	170.0	No Suffix = 10% Suffix A = 5%	250mw	DO-7	
1N734	68.0	2.0	200.0		"	"	
1N735	75.0	2.0	240.0		"	"	
1N736	82.0	2.0	280.0	" "	"	"	
1N737	91.0	1.0	340.0	" "	"	"	
1N738	100.0	1.0	400.0	" "	"	"	
1N739	110.0	1.0	490.0	" "	"	"	
1N740	120.0	1.0	570.0	" "	"	"	
1N741	130.0	1.0	650.0	" "	"	"	
1N742	150.0	1.0	860.0	" "	"	"	
1N743	160.0	1.0	970.0	" "	"	"	
1N744	180.0	1.0	1200.0	" "	"	"	
1N745	200.0	1.0	1400.0	" "	"	"	
1N746	3.3	20.0	28.0	No Suffix = 10% Suffix A = 5%	400mw	DO-7/DO-35	
1N747	3.6	20.0	24.0		"	"	
1N748	3.9	20.0	23.0		"	"	
1N749	4.3	20.0	22.0	" "	"	"	
1N750	4.7	20.0	19.0	" "	"	"	
1N751	5.1	20.0	17.0	" "	"	"	
1N752	5.6	20.0	11.0	" "	"	"	
1N753	6.2	20.0	7.0	" "	"	"	
1N754	6.8	20.0	5.0	" "	"	"	
1N755	7.5	20.0	6.0	" "	"	"	
1N756	8.2	20.0	8.0	" "	"	"	
1N757	9.1	20.0	10.0	" "	"	"	
1N758	10.0	20.0	17.0	" "	"	"	
1N759	12.0	20.0	30.0	" "	"	"	
1N761	4.3 - 5.4	10.0	40.0		250mw	"	
1N762	5.2 - 6.4	"	18.0		"	"	
1N763	6.2 - 8.0	"	7.0		"	"	
1N764	7.5 - 10.0	"	12.0		"	"	
1N765	9.0 - 12.0	5.0	45.0		"	"	
1N766	11.0 - 14.5	5.0	55.0		"	"	
1N767	13.5 - 18.0	5.0	70.0		"	"	
1N768	17.0 - 21.0	5.0	100.0		"	"	
1N769	20.0 - 27.0	5.0	150.0		"	"	
1N821 ⁽²⁾	6.2 ± 5%	7.5	15.0	T.C. = .01% / °C ⁽⁴⁾	400mw	DO-7	
1N821A ⁽²⁾	6.2 ± 5%	"	10.0	T.C. = .01% / °C ⁽⁴⁾	"	"	
1N822 ^(1,2)	6.2 ± 5%	"	15.0	T.C. = .01% / °C ⁽⁴⁾	"	"	
1N823 ⁽²⁾	6.2 ± 5%	"	15.0	T.C. = .005% / °C ⁽⁴⁾	"	"	
1N823A ⁽²⁾	6.2 ± 5%	"	10.0	T.C. = .005% / °C ⁽⁴⁾	"	"	
1N824 ^(1,2)	6.2 ± 5%	"	15.0	T.C. = .005% / °C ⁽⁴⁾	"	"	
1N825 ⁽²⁾	6.2 ± 5%	"	15.0	T.C. = .002% / °C ⁽⁴⁾	"	"	
1N825A ⁽²⁾	6.2 ± 5%	"	10.0	T.C. = .002% / °C ⁽⁴⁾	"	"	
1N826 ⁽²⁾	6.2 - 6.9	"	15.0	T.C. = .002% / °C ⁽⁴⁾	"	"	
1N827 ⁽²⁾	6.2 ± 5%	"	15.0	T.C. = .001% / °C ⁽⁴⁾	"	"	
1N827A ⁽²⁾	6.2 ± 5%	"	10.0	T.C. = .001% / °C ⁽⁴⁾	"	"	
1N828 ⁽²⁾	6.2 - 6.9	"	15.0	T.C. = .001% / °C ⁽⁴⁾	"	"	
1N829A	6.2 ± 5%	"	15.0	T.C. = .0005% / °C ⁽⁴⁾	"	"	
1N935 ⁽²⁾	9.0 ± 5%	7.5	20.0	T.C. = .01% / °C ⁽⁷⁾	500mw	DO-7	
1N936 ⁽²⁾	9.0 ± 5%	"	20.0	T.C. = .005% / °C ⁽⁷⁾	"	"	
1N937 ⁽²⁾	9.0 ± 5%	"	20.0	T.C. = .002% / °C ⁽⁷⁾	"	"	

NOTE — Diode types presently available from Microsemi Corporation are shown in bold type.

(1) Double anode type

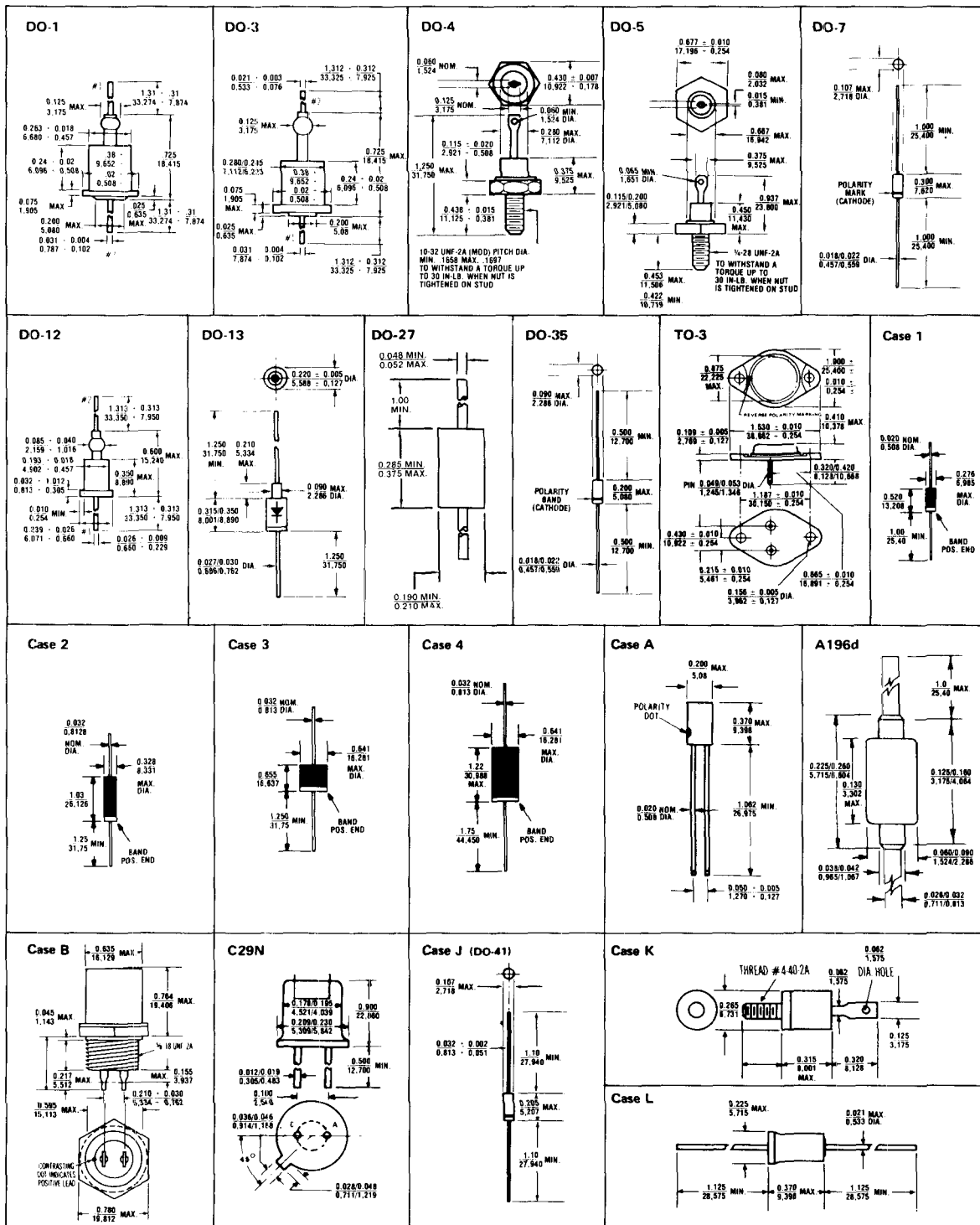
(2) Temperature compensated zener diode

(4) Temperature range —55°C to +100°C (7) No suffix denotes temp. range 0°C to +75°C

Suffix A denotes temp. range —55°C to +100°C

Suffix B denotes temp. range —55°C to +150°C

CASE CONFIGURATION CHART



All dimensions in $\frac{\text{INCH}}{\text{M.M.}}$

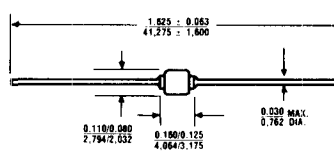
CASE CONFIGURATION CHART

Case Q 0.040 MAX 0.018 0.750 MIN 19.050 0.100 - 0.006 2.540 - 0.152 0.100 - 0.006 2.540 - 0.152 0.040 MAX 19.250 0.585 MAX 14.351 (3) LEADS 0.032 - 0.003 0.813 - 0.076 DIA.	Case R 0.215/0.285 5.461/6.731 0.210 MAX 5.334 0.113 MAX 2.784 DIA 0.026/0.035 0.660/0.668 0.315 8.001 MAX 1.125 MIN 26.575	
Case S 0.033/0.031 0.834/0.787 1.750 MIN 31.75 (TYP.) 0.375 - 0.010 DIA 6.625 - 0.254 0.30 - 0.50 12.700 - 0.762	Case T 0.033/0.031 0.834/0.787 1.750 MIN 31.750 1.000 - 0.030 26.400 - 0.762 0.375 DIA 6.625 0.30 - 0.50 12.700 - 0.762 (TYP.)	
Case X 0.128 MAX 3.251 DIA POLARITY MARK (CATHODE) 0.034/0.030 DIA 0.864/0.782 0.705 MAX 5.207	T-18 0.130/0.145 3.302/3.663 1.000 MIN 25.400 0.330/0.350 8.382/8.890 1.000 MIN 25.400 0.037/0.043 0.948/1.092 POLARITY MARK (CATHODE)	Case AA 0.017 10.581 MAX 0.236 6.502 0.030/0.043 DIA 0.991/1.062 0.115/0.135 2.921/3.429 0.940 - 0.090 23.876 - 1.524 0.047 MAX 1.194 0.330 MAX 8.585
Case Z 0.020 - 0.015 0.330 - 0.341 0.020 - 0.010 19.075 - 0.254 0.688 - 0.010 17.475 - 0.254 1.000 MIN 25.400 0.375 - 0.010 9.525 - 0.254	Case DD 0.030/0.034 DIA 0.762/0.864 0.125 - 0.030 19.050 - 0.762 0.125 - 0.030 19.050 - 0.762 0.250 - 0.010 6.350 - 0.254 BAND POS. END	Case HH 0.075/0.750 22.225/18.050 0.090 MAX 1.270 0.075/0.055 1.905/1.397 0.140/0.110 3.556/2.794 0.140/0.110 3.556/2.974 0.500 0.487 12.370 0.487 12.370 0.060 MIN 1.524 DIA 0.250 MAX 6.350 0.050 24.136 0.050 MAX 12.700 0.040 MIN 1.016 0.034/0.020 0.865/0.508 0.453/0.422 11.506/10.719 10-32 UNF 2A THREAD
Case CC 0.250 - 0.010 6.350 - 0.254 1.000 MIN 25.400 0.500 - 0.020 12.700 - 0.508 0.030/0.034 0.762/0.864 1.000 MIN 25.400 POLARITY MARK	Case EE 0.030/0.034 DIA 0.762/0.864 0.125 - 0.030 19.050 - 0.762 0.125 - 0.030 19.050 - 0.762 0.313 - 0.010 7.950 - 0.254 BAND POS. END	Case FF 0.185 4.791 0.057/0.067 DIA 1.448/1.702 4-40 UNC-2A THREAD 0.260/0.234 6.731/5.944 0.328/0.261 8.331/7.137 0.313/0.285 7.950/7.239 0.265/0.234 6.731/5.944
	Case GG 0.003 - 0.009 0.030 - 0.737 DIA 1.000 MIN 24.400 0.380 - 0.315 9.144 - 8.001 0.150 - 0.120 DIA 3.810 - 3.048	

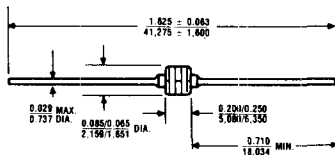
All dimensions in INCH
m.m.

CASE CONFIGURATION CHART

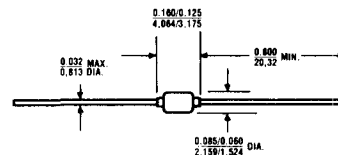
Case JJ



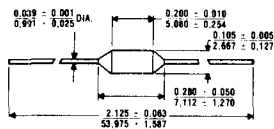
Case LL



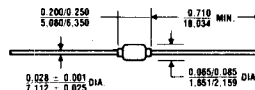
Case MM



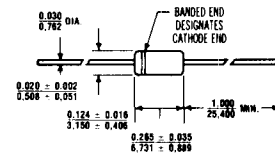
Case NN



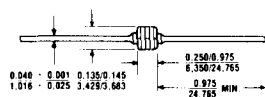
Case OO



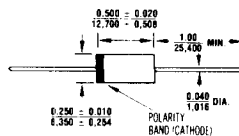
Case QQ



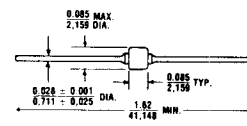
Case RR



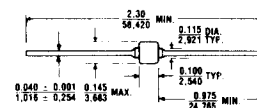
Case SS



Case UU



Case VV



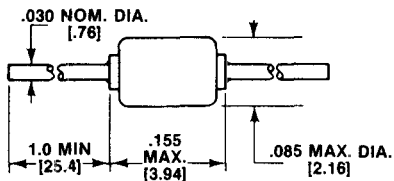
All dimensions in INCH
mm.

CASE CONFIGURATION CHART

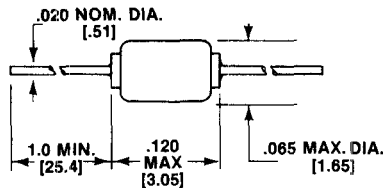
MECHANICAL CONFIGURATIONS PHYSICAL DIMENSIONS

DIMENSIONS IN INCHES (MM)

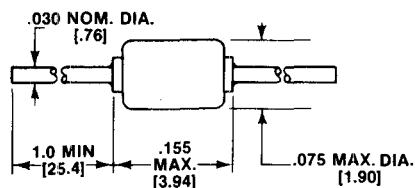
PACKAGE A



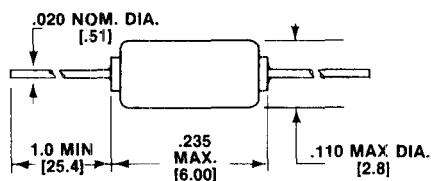
PACKAGE B [D034]



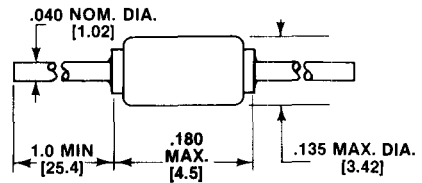
PACKAGE C



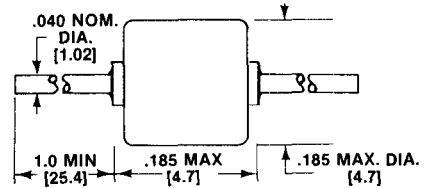
PACKAGE D



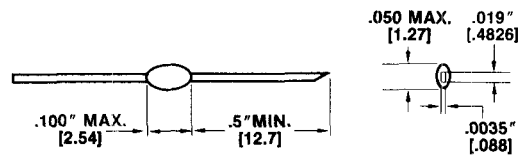
PACKAGE E



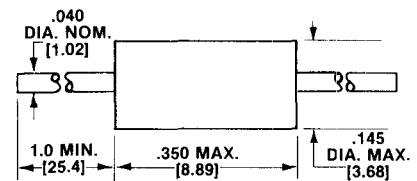
PACKAGE G



PACKAGE H



PACKAGE R



PACKAGE S

