

ZERO TEMPERATURE COMPENSATED REFERENCE DIODES (Single Chip and Chip Stacks)

INDUSTRY STANDARD PART#	MICROSEMI CHIP PART # (Note 1)	POWER RATING*	DIE SIZE (Note 1)	DIE THICKNESS	DIE GEOMETRY (Figure)	BOND PAD SIZE		METALLIZATION			PACKAGING	
						ANODE	CATHODE	TOP	BACK	OPTIONS	WAFFLE	F. VIAL
1N821, A- 1N829, A	CH821, A- CH829, A	250 mW	.037" x .037" .025" x .025"	.013"	#1	.029"	.037"	Al	Au	CrAgAu	★	★
1N4565, A- 1N4584, A	CH4565, A- CH4584, A	400 mW	.037" x .037" .025" x .025"	.013"	#4, #9	.029"	.037"	Al	Au	CrAgAu	★	★
1N935, A,B- 1N940, A, B	CH935, A, B- CH940, A, B	500mW	.057" diam.	.045"	#10	.037"	.027"	CrAgAu	NiAu		★	★
1N941, A,B- 1N945, A, B	CH941, A,B- CH945, A, B	500mW	.057" diam.	.062"	# 11	.037"	.027"	CrAgAu	NiAu		★	★
1N3154, A- 1N3157, A	CH3154, A- CH3157, A	500mW	.057" diam.	.045"	# 10	.029"	.037"	CrAgAu	NiAu		★	★

TRANSIENT VOLTAGE SUPPRESSORS

1N5555- 1N5558	CH5555- CH5558	1500 Watt	.123" x .123"	.013"	#5	.115"	.123"	CrAgAu	CrAgAu	Al/Au	★	★
1N5629, A- 1N5665, A	CH5629, A- CH5665, A	1500 Watt	.123" x .123"	.013"	#5	.115"	.123"	CrAgAu	CrAgAu	Al/Au	★	★
1N5907- 1N5908	CH5907- CH5908	1500 Watt	.123" x .123"	.013"	#5	.115"	.123"	CrAgAu	CrAgAu	Al/Au	★	★
1N6036, A- 1N6072, A	CH6036, A- CH6072, A	1500 Watt	.123" x .123"	.020"	#8	.115"	.115"	CrAgAu	CrAgAu		★	★
1N6267, A- 1N6303, A (1.5 KE Series)	CH6267, A- CH6303, A (CH1.5KE6.8, A- CH1.5KE200, A)	1500 Watt	.123" x .123"	.013"	#5	.115"	.123"	CrAgAu	CrAgAu	Al/Au	★	★
P6KE6.8, A- P6KE200, A	CHP6KE6.8, A- CH6KE200, A	600 Watt	.060" x .060"	.013"	#1	.052"	.060"	CrAgAu	CrAgAu	Al/Au	★	★
5KP5.0, A- 5KP110, A	CH5KP, A- CH110, A	5000 Watt	.180" x .180"	.013"	#1	.156"	.180"	CrAgAu	CrAgAu	Al/Au	★	★
15KP17, A- 15KP280, A	CH15KP17, A- CH15KP280, A	15000 Watt	.320" x .320"	.013"	#1	.296"	.320"	CrAgAu	CrAgAu	Al/Au	★	★

NOTE 1: For ordering 20 mil size die add suffix "-20"; for 25 mil die add "-25"; or for 37 mil die add "-37" to type number.

NOTE 2: Chips are available in both polarities. Standard is anode-top, cathode-bottom except for 1N935 and 1N941 which are anode-bottom, cathode-top.

NOTE 3: Zero TC chip stacks are also available with radiation hardened construction. When ordering, use "RCH" prefix instead of "CH".

NOTE 4: Chips also offered in cellular die package similar to that shown in Fig. 12. This option is ideally suited for larger geometry die to assure proper heatsinking and bonding particularly for transient suppressor devices. When ordering, use "CD" suffix instead of "CH". For 1.5KE, 5KP, etc., use 1.5KCD, 15KCD, etc. as identification.

*Power Rating = Peak Pulse Power (TAZ devices only)

SCOTTSDALE, AZ

For more information call:
(602) 941-6300

ZENER REGULATORS

INDUSTRY STANDARD PART#	MICROSEMI CHIP PART # (Note 1)	POWER RATING*	DIE SIZE (Note 1)	DIE THICKNESS	DIE GEOMETRY (Figure)	BOND PAD SIZE		METALLIZATION			PACKAGING	
						ANODE	CATHODE	TOP	BACK	OPTIONS	WAFFLE	F. VIAL
1N746, A- 1N759, A	CH746, A- CH759, A	400 mW	.020" x .020" .025" x .025" .037" x .037"	.010" .010" .013"	#1	.013" .020" .029"	.020" .025" .037"	Al	Au	CrAgAu	★	★
1N4370, A- 1N4372, A	CH4370, A- CH4372, A	400 mW	.020" x .020" .025" x .025" .037" x .037"	.010" .010" .013"	#1	.013" .020" .029"	.020" .025" .037"	Al	Au	CrAgAu	★	★
1N957, A, B- 1N992, A, B	CH957, A, B- CH992, A, B	400 mW	.020" x .020" .025" x .025" .037" x .037"	.010" .010" .013"	#1	.013" .020" .029"	.020" .025" .037"	Al	Au	CrAgAu	★	★
1N2970, A, B- 1N3015, A, B	CH2970, A, B- CH3015, A, B	10 Watt	.060" x .060"	.013"	#1	.052"	.060"	Al	Au	CrAgAu	★	★
1N3993, A- 1N4000, A	CH3993, A- CH4000, A	10 Watt	.060" x .060"	.013"	#1	.052"	.060"	Al	Au	CrAgAu	★	★
1N3016, A, B- 1N3051, A, B	CH3016, A, B- CH3051, A, B	1 Watt	.037" x .037"	.013"	#1	.029"	.037"	Al	Au	CrAgAu	★	★
1N3821, A- 1N3830, A	CH3821, A- CH3830, A	1 Watt	.037" x .037"	.013"	#1	.029"	.037"	Al	Au	CrAgAu	★	★
1N4099- 1N4135	CH4099- CH4135	400 mW	.020" x .020" .025" x .025" .037" x .037"	.010" .010" .013"	#1	.013" .020" .029"	.020" .025" .037"	Al	Au	CrAgAu	★	★
1N4614- 1N4627	CH4614- CH4627	400 mW	.020" x .020" .025" x .025" .037" x .037"	.010" .010" .013"	#1	.013" .020" .029"	.020" .025" .037"	Al	Au	CrAgAu	★	★
1N4678- 1N4717	CH4678- CH4717	250 mW	.020" x .020" .025" x .025" .037" x .037"	.010" .010" .013"	#1	.013" .020" .029"	.020" .025" .037"	Al	Au	CrAgAu	★	★
1N4728, A- 1N4764, A	CH4728, A- CH4764, A	1 Watt	.037" x .037"	.013"	#1	.029"	.037"	Al	Au	CrAgAu	★	★
1N5221, A, B- 1N5281, A, B	CH5221, A, B- CH5281, A, B	500 mW	.020" x .020" .025" x .025" .037" x .037"	.010" .010" .013"	#1	.013" .020" .029"	.020" .025" .037"	Al	Au	CrAgAu	★	★
1N5333, A, B- 1N5388, A, B	CH5333, A, B- CH5388, A, B	5 Watt	.060" x .060"	.013"	#1	.052"	.060"	Al	Au	CrAgAu	★	★
1N5518, A, B- 1N5546, A, B	CH5518, A, B- CH5546, A, B	250 mW	.020" x .020" .025" x .025" .037" x .037"	.010" .010" .013"	#1	.013" .020" .029"	.020" .025" .037"	Al	Au	CrAgAu	★	★
1N5728, A, B- 1N5757, A, B	CH5728, A, B- CH5757, A, B	400 mW	.020" x .020"	.010"	#1	.013"	.020"	Al	Au	CrAgAu	★	★
1N5913, A, B- 1N5956, A, B	CH5913, A, B- CH5956, A, B	1.5 Watt	.037" x .037"	.013"	#1	.029"	.037"	Al	Au	CrAgAu	★	★
1N5985- 1N6031	CH5985- CH6031	500 mW	.020" x .020" .025" x .025" .037" x .037"	.010" .010" .013"	#1	.013" .020" .029"	.020" .025" .037"	Al	Au	CrAgAu	★	★
1EZ110D5- 1EZ200D5	CH1EZ110D5- CH1EZ200D5	1 Watt	.037" x .037"	.013"	#1	.029"	.037"	Al	Au	CrAgAu	★	★
2EZ3.6D5- 2EZ200D5	CH2EZ3.6D5- CH2EZ200D5	2 Watt	.037" x .037"	.013"	#1	.029"	.037"	Al	Au	CrAgAu	★	★
3EZ3.9D5- 3EZ200D5	CH3EZ3.9D5- CH3EZ200D5	3 Watt	.037" x .037"	.013"	#1	.029"	.037"	Al	Au	CrAgAu	★	★