

1N4295(A)

TEMPERATURE COMPENSATED DIODES

FEATURES

- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

MAXIMUM RATINGS

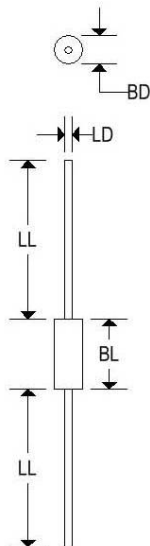
Characteristic	Value
Maximum zener current, steady state (T = 75°C, free air)	38mAdc
Maximum steady state power dissipation ≤ 75°C, free air Derate above 75°C	0.4 watts 4.0mW/°C
Storage temperature range	-65 to +175°C
Lead temperature 1/16" ± 1/32" from case for 10 s	230°C

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise specified)

Part number	Breakdown voltage	Test current	Maximum dynamic impedance	Temperature coefficient range	Maximum zener current	Maximum power dissipation
	V _Z	I _T				
	Volts	mAdc				
1N4295	10.0 ± 2%	10.0	20	0. to 0.012	38	0.40
1N4295A	10.0 ± 1%	10.0	20	0. to 0.012	38	0.40

MECHANICAL CHARACTERISTICS

Case:	DO-35
Marking:	Body painted, alpha-numeric
Polarity:	Cathode band



	DO-35			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	0.055	0.090	1.400	2.290
BL	0.120	0.200	3.050	5.080
LD	0.018	0.022	0.460	0.560
LL	1.000	1.500	25.400	38.100