

DIGITRON SEMICONDUCTORS

1N4295(A)

TEMPERATURE COMPENSATED REFERENCE DIODES

MAXIMUM RATING

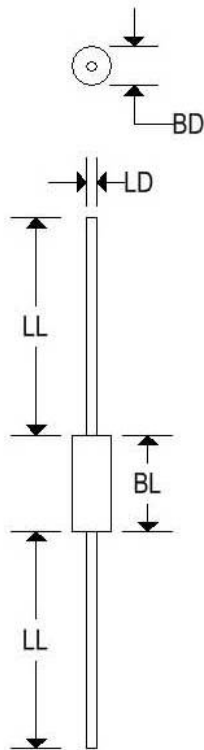
Characteristic	Value
Maximum zener current, steady state (T = 75°C, free air)	38mAdc
Maximum steady state power dissipation ≤ 75°C, free air Derate above 75°C	0.4 watts 4.0mW/°C
Storage temperature range	-65 to +175°C
Lead temperature 1/16" ± 1/32" from case for 10 s	230°C

ELECTRICAL CHARACTERISTICS

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

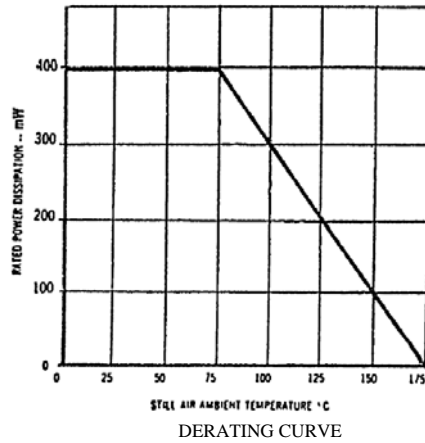
Case	DO-35
Polarity	Cathode band
Marking	Alpha numeric



	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

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Available Non-RoHS (standard) or RoHS compliant (add PBF suffix).
Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.