



High-reliability discrete products
and engineering services since 1977

1N6461-1N6468 1N6469-1N6476

TRANSIENT VOLTAGE SUPPRESSORS

FEATURES:

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

MAXIMUM RATINGS

Operating Temperature:	-65°C to +175°C
Storage Temperature:	-65°C to +175°C
Surge Power:	500W & 1500W
Power @ T _A :	25° (3/8) 2.5W 500W Type
Power @ T _L :	50°C (3/8) 5.0W 1500W Type

ELECTRICAL CHARACTERISTICS UNIDIRECTIONAL (T_A = 25°C)

Type		Breakdown Voltage V _(BR) Min.	Test Current I _T		Working Peak Voltage V _{WM}	Max. Leakage Current I _D		Max. Clamping Voltage V _C	Max. Peak Pulse Current (I _{PP})		Max. Temp Coef. Of V _(BR)
500W	1500W	Vdc	mAdc		Vdc	μAdc	μAdc	V(pk)	A(pk)	A(pk)	%/°C
1N6461	1N6469	5.6	25	50	5	3000	1500	9.0	56	167	0.04
1N6462	1N6470	6.5	20	50	6	2500	1000	11.0	46	137	0.04
1N6463	1N6471	13.6	5	10	12	500	20	22.6	22	66	0.05
1N6464	1N6472	16.4	5	10	15	500	10	26.5	19	57	0.06
1N6465	1N6473	27.0	2	5	24	50	5	41.4	12	36.5	.084
1N6466	1N6474	33.0	1	1	30.5	3	5	47.5	11	32	.093
1N6467	1N6475	43.7	1	1	40.3	2	5	63.5	8	24	.094
1N6468	1N6476	54.0	1	1	51.6	2	5	78.5	6	19	.096
Notes:		1	2	3	1	2	3	1	2	3	1

Note 1: Applies to both 500W and 1500W series.

Note 2: Applies to only 500W series.

Note 3: Applies to 1500W series.



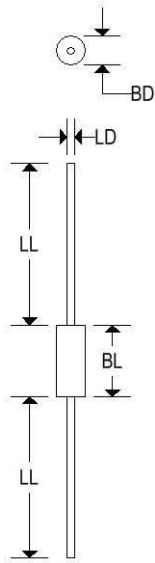
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MECHANICAL CHARACTERISTICS

Case	Digi D (1N6461-1N6468)
Marking	Alpha-numeric
Polarity	Cathode band

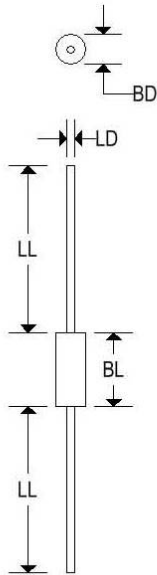


	Digi D			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	-	0.135	-	3.420
BL	-	0.240	-	6.096
LD	0.038	0.042	0.965	1.067
LL	-	1.000	-	25.400

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Case	Digi H (1N6469-1N6476)
Marking	Alpha-numeric
Polarity	Cathode band



	Digi H			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	-	0.185	-	4.699
BL	0.150	0.195	3.810	4.953
LD	0.037	0.042	0.940	1.070
LL	0.900	1.300	22.860	33.020