



High-reliability discrete products
and engineering services since 1977

1N6461P-1N6468P 1N6469P-1N6476P

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
1N6461P	1N6469P	5.6	25	50	5	3000	1500	9.0	56	167	0.04
1N6462P	1N6470P	6.5	20	50	6	2500	1000	11.0	46	137	0.04
1N6463P	1N6471P	13.6	5	10	12	500	20	22.6	22	66	0.05
1N6464P	1N6472P	16.4	5	10	15	500	10	26.5	19	57	0.06
1N6465P	1N6473P	27.0	2	5	24	50	5	41.4	12	36.5	.084
1N6466P	1N6474P	33.0	1	1	30.5	3	5	47.5	11	32	.093
1N6467P	1N6475P	43.7	1	1	40.3	2	5	63.5	8	24	.094
1N6468P	1N6476P	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.

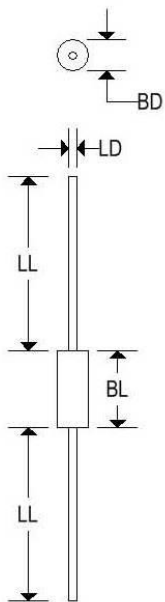
Note 3: Applies to 1500W series.

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MECHANICAL CHARACTERISTICS

Package	DO-41 (1N6461P-1N6468P)
Case	Plastic
Marking	Alpha-numeric
Polarity	Cathode band



	DO-41			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	-	0.107	-	2.720
BL	-	0.205	-	5.207
LD	0.028	0.034	0.711	0.864
LL	1.000	-	25.400	-

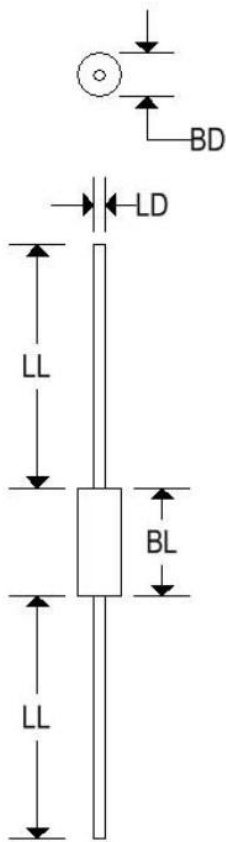


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Package	Digi EE (1N6469P-1N6476P)
Case	Plastic
Marking	Alpha-numeric
Polarity	Cathode band



	DIGI EE			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	-	0.185	-	4.699
BL	-	0.195	-	4.953
LD	0.038	0.042	0.965	1.067
LL	1.000	-	25.400	-