

# Central<sup>TM</sup> Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

1N6267A THRU 1N6303A

1.5KW TRANSIENT SUPPRESSOR  
5% TOLERANCE

EPOXY MOLDED AXIAL LEAD CASE

The CENTRAL SEMICONDUCTOR 1N6267A Series types are Epoxy Molded Axial Lead Transient Suppressors designed to protect voltage sensitive components from high voltage transients.

MAXIMUM RATINGS ( $T_L=25^\circ\text{C}$  unless otherwise noted)

Peak Power Dissipation (1.0ms)

Steady State Power Dissipation ( $T_L=75^\circ\text{C}$ , L.L.=3/8")

Forward Surge Current

Operating and Storage Junction Temperature

SYMBOL

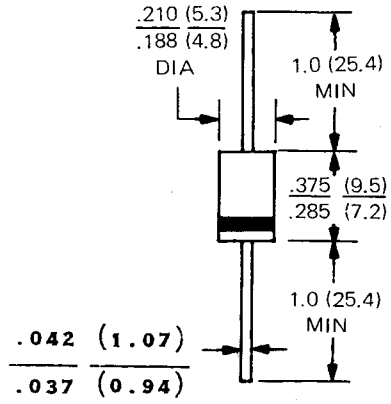
UNIT

$P_{DM}$	1500	W
$P_D$	5.0	W
$I_{FSM}$	200	A
$T_J, T_{stg}$	-65 TO +175	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ( $T_A=25^\circ\text{C}$ )

TYPE NO.	$V_{BR}$ @ $I_T$ (V) (mA)	$V_{RWM}$ (V)	$I_R$ @ $V_{RWM}$ ( $\mu\text{A}$ )	$I_{RSM}$ (A)	$V_{RSM}$ @ $I_{RSM}$ (V)	$V_{BR}$ TEMP. COEF. (%/ $^\circ\text{C}$ )	
1N6267A	6.8	10	5.80	1000	143	10.5	0.057
1N6268A	7.5	10	6.40	500	132	11.3	0.061
1N6269A	8.2	10	7.02	200	124	12.1	0.065
1N6270A	9.1	1.0	7.78	50	112	13.4	0.068
1N6271A	10	1.0	8.55	10	103	14.5	0.073
1N6272A	11	1.0	9.40	5.0	96	15.6	0.075
1N6273A	12	1.0	10.2	5.0	90	16.7	0.078
1N6274A	13	1.0	11.1	5.0	82	18.2	0.081
1N6275A	15	1.0	12.8	5.0	71	21.2	0.084
1N6276A	16	1.0	13.6	5.0	67	22.5	0.086
1N6277A	18	1.0	15.3	5.0	59.5	25.2	0.088
1N6278A	20	1.0	17.1	5.0	54	27.7	0.090
1N6279A	22	1.0	18.8	5.0	49	30.6	0.092
1N6280A	24	1.0	20.5	5.0	45	33.2	0.094
1N6281A	27	1.0	23.1	5.0	40	37.5	0.096
1N6282A	30	1.0	25.6	5.0	36	41.4	0.097
1N6283A	33	1.0	28.2	5.0	33	45.7	0.098
1N6284A	36	1.0	30.8	5.0	30	49.9	0.099
1N6285A	39	1.0	33.3	5.0	28	53.9	0.100
1N6286A	43	1.0	36.8	5.0	25.3	59.3	0.101
1N6287A	47	1.0	40.2	5.0	23.2	64.8	0.101
1N6288A	51	1.0	43.6	5.0	21.4	70.1	0.102
1N6289A	56	1.0	47.8	5.0	19.5	77	0.103
1N6290A	62	1.0	53	5.0	17.7	85	0.104
1N6291A	68	1.0	58.1	5.0	16.3	92	0.104
1N6292A	75	1.0	64.1	5.0	14.6	103	0.105
1N6293A	82	1.0	70.1	5.0	13.3	113	0.105
1N6294A	91	1.0	77.8	5.0	12	125	0.106
1N6295A	100	1.0	85.5	5.0	11	137	0.106
1N6296A	110	1.0	94	5.0	9.9	152	0.107
1N6297A	120	1.0	102	5.0	9.1	165	0.107
1N6298A	130	1.0	111	5.0	8.4	179	0.107
1N6299A	150	1.0	128	5.0	7.2	207	0.108
1N6300A	160	1.0	136	5.0	6.8	219	0.108
1N6301A	170	1.0	145	5.0	6.4	234	0.108
1N6302A	180	1.0	154	5.0	6.1	246	0.108
1N6303A	200	1.0	171	5.0	5.5	274	0.108

OUTLINE DRAWING



Dimensions in inches and (millimeters)

## OUTSTANDING SUPPORT AND SUPERIOR SERVICES



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### PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options
- Custom bar coding for shipments
- Custom product packing

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### DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2<sup>nd</sup> day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities
- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

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### REQUESTING PRODUCT PLATING

1. If requesting Tin/Lead plated devices, add the suffix " TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix " PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

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### CONTACT US

#### Corporate Headquarters & Customer Support Team

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**Worldwide Field Representatives:**  
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**Worldwide Distributors:**  
[www.centrasemi.com/wwdistributors](http://www.centrasemi.com/wwdistributors)

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For the latest version of Central Semiconductor's **LIMITATIONS AND DAMAGES DISCLAIMER**, which is part of Central's Standard Terms and Conditions of sale, visit: [www.centrasemi.com/terms](http://www.centrasemi.com/terms)



http://www.centrasemi.com

# Product End of Life Notification

<b>PDN ID:</b>	PDN01095
<b>Notification Date:</b>	6/06/18
<b>Last Buy Date:</b>	12/06/18
<b>Last Shipment Date</b>	6/06/19

Summary: The 1N6267A - 1N6299A series axial lead transient voltage suppressors is discontinued and now classified as End of Life (EOL).

Although Central Semiconductor Corp. makes every effort to continue to produce devices that have been proclaimed EOL (End of Life) by other manufacturers, it is an accepted industry practice to discontinue certain devices when customer demand falls below a minimum level of sustainability. Accordingly, the following product(s) have been transitioned to End of Life status as part of Central's ongoing Product Management Process. Any replacement products are noted below. The effective date for placing last purchase orders will be six (6) months from the date of this notice and twelve (12) months from the notice date for final shipments, and minimum order quantities may apply. The last purchase and shipment dates may be extended if inventory is available.

<u>Central Part Number</u>	<u>Replacement</u>
1N6267A BK	N/A
1N6267A TR	N/A
1N6273A BK	N/A
1N6274A BK	N/A
1N6274A TR	N/A
1N6275A TR	N/A
1N6278A BK	N/A
1N6278A TR	N/A
1N6280A BK	N/A
1N6282A TR	N/A
1N6291A BK	N/A
1N6292A BK	N/A
1N6297A BK	N/A
1N6299A BK	N/A

Central would be happy to assist you by providing additional information or technical data to help locate an alternate source if we have no replacement available. Please email your requests to [engineering@centrasemi.com](mailto:engineering@centrasemi.com).

DISCLAIMER: This End of Life (EOL) notification is in accordance with JEDEC standard JESD48 - Product Discontinuance. Central Semiconductor Corp. will make every effort to offer life-time buy (LTB) opportunities and/or offer replacement devices to existing customers for discontinued devices, however, one or both may not be possible for all devices. Please contact your local Central Semiconductor sales representative for LTB opportunities/additional information.