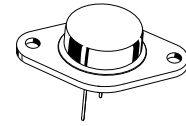


# Power Transistors

## TO-66 Case



TYPE NO.		I <sub>C</sub> (A) MAX	P <sub>D</sub> (W)	BV <sub>CBO</sub> (V) MIN	BV <sub>CEO</sub> (V) MIN	h <sub>FE</sub>		@ I <sub>C</sub> (A)	V <sub>CE(SAT)</sub> (V) MAX	@ I <sub>C</sub> (A)	f <sub>T</sub> (MHz) MIN
NPN	PNP					MIN	MAX				
2N3054		4.0	25	90	55	25	150	0.5	1.0	0.5	0.8
2N3054A	2N6049	4.0	75	90	55	25	150	0.5	0.5	0.5	0.8
2N3583	2N6420	1.0	35	250	175	40	--	0.1	5.0	1.0	10
2N3584	2N6421	2.0	35	375	250	40	--	0.1	0.75	1.0	10
2N3585	2N6422	2.0	35	500	300	40	--	0.1	0.75	1.0	10
2N3738		1.0	20	250	225	40	200	0.1	2.5	0.25	10
2N3739		1.0	20	325	300	40	200	0.1	2.5	0.25	10
	2N3740	4.0	25	60	60	30	200	0.25	0.6	1.0	3.0
	2N3740A	4.0	25	60	60	30	200	0.25	0.6	1.0	3.0
	2N3741	4.0	25	80	80	30	200	0.25	0.6	1.0	3.0
	2N3741A	4.0	25	80	80	30	200	0.25	0.6	1.0	3.0
2N3766		4.0	25	80	60	40	160	0.5	1.0	0.5	10
2N3767		4.0	25	100	80	40	160	0.5	1.0	0.5	10
2N4231		3.0	35	50	40	25	100	1.5	2.0	3.0	4.0
2N4231A	2N6312	5.0	75	40	40	25	100	1.5	4.0	5.0	4.0
2N4232		3.0	35	70	60	25	100	1.5	2.0	3.0	4.0
2N4232A	2N6313	5.0	75	60	60	25	100	1.5	4.0	5.0	4.0
2N4233		3.0	35	90	80	25	100	1.5	2.0	3.0	4.0
2N4233A	2N6314	5.0	75	80	80	25	100	1.5	4.0	5.0	4.0
2N4240	2N6423	2.0	35	500	300	40	--	0.1	1.0	0.75	15
2N4296		1.0	20	350	250	50	150	0.05	0.9	0.05	20
2N4298		1.0	20	500	350	25	75	0.05	0.9	0.05	20
2N4299		1.0	20	500	350	50	150	0.05	0.75	0.05	20
2N4910	2N4898	1.0	25	40	40	20	150	0.5	0.6	1.0	3.0
2N4911	2N4899	1.0	25	60	60	20	150	0.5	0.6	1.0	3.0
2N4912	2N4900	1.0	25	80	80	20	150	0.5	0.6	1.0	3.0
2N5427		7.0	40	80	80	30	120	2.0	0.7	2.0	30
2N5428		7.0	40	80	80	60	240	2.0	0.7	2.0	30
2N5429		7.0	40	100	100	30	120	2.0	0.7	2.0	30
2N5430		7.0	40	100	100	60	240	2.0	0.7	2.0	30
2N6260	2N6211	1.0	35	275	225	10	100	1.0	1.4	0.125	20
	2N6212	1.0	35	350	300	10	100	1.0	1.6	0.125	20
	2N6213	1.0	35	400	350	10	100	1.0	2.0	0.125	20
2N6261		4.0	29	50	40	20	100	1.5	1.5	1.5	0.8
2N6263		4.0	50	90	80	25	100	1.5	0.5	1.5	0.8
		3.0	20	140	120	20	100	0.5	1.2	0.5	0.8
2N6294		4.0	50	60	60	750	18,000	2.0	2.0	2.0	4.0
2N6295	2N6297	4.0	50	80	80	750	18,000	2.0	2.0	2.0	4.0
2N6300	2N6298	8.0	75	60	60	750	18,000	4.0	2.0	4.0	4.0
2N6301	2N6299	8.0	75	80	80	750	18,000	4.0	2.0	4.0	4.0
2N6315	2N6317	7.0	90	60	60	20	100	2.5	1.0	4.0	4.0
2N6316	2N6318	7.0	90	80	80	20	100	2.5	1.0	4.0	4.0
2N6372	2N5954	6.0	40	90	80	20	100	2.0	1.0	2.0	4.0
2N6373	2N5955	6.0	40	70	60	20	100	2.5	1.0	2.5	4.0
2N6374	2N5956	6.0	40	50	40	20	100	3.0	1.0	3.0	4.0
	2N6424	1.0	20	250	225	40	200	0.1	2.5	0.25	10
	2N6425	1.0	20	325	300	40	200	0.1	2.5	0.25	10
2N6465	2N6467	4.0	40	110	100	15	150	1.5	1.2	1.5	5.0
2N6466	2N6468	4.0	40	130	120	15	150	1.5	1.2	1.5	5.0
40312		4.0	29	60	60	20	120	1.0	1.0	0.5	0.75
CM3441		3.0	25	160	120	25	150	0.5	1.0	0.5	0.2

Shaded areas indicate Darlington.

## 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

Central Semiconductor Corp.  
145 Adams Avenue  
Hauppauge, NY 11788 USA  
Main Tel: (631) 435-1110  
Main Fax: (631) 435-1824  
Support Team Fax: (631) 435-3388  
[www.centrasemi.com](http://www.centrasemi.com)

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

**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>	PDN01121
<b>Notification Date:</b>	3/21/19
<b>Last Buy Date:</b>	Stock Only
<b>Last Shipment Date</b>	Stock Only

Please be advised that Central Semiconductor must immediately discontinue the product(s) listed in the attached PDN notice. We are unable to accept any further orders for these products **unless** we have available inventory on hand.

You may have purchased one or more of the products listed. Please do not hesitate to contact your local Central Semiconductor sales representative with any questions or needs you may have. Central regrets any inconvenience this may cause.

Sincerely,

Central Semiconductor Corp.

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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.

# Product End of Life Notification

<b>PDN ID:</b>	PDN01121
<b>Notification Date:</b>	3/21/19
<b>Last Buy Date:</b>	Stock Only
<b>Last Shipment Date</b>	Stock Only

Summary: The CP219 transistor die process 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>
CP219-2N5338-WN	N/A, Stock Only
CP219-2N5339-CM	N/A, Stock Only
CP219-2N5339-CT	N/A, Stock Only
CP219-2N5339-WN	N/A, Stock Only
2N5339	N/A, Stock Only
2N5430	N/A, Stock Only

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@centralsemi.com](mailto:engineering@centralsemi.com).

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