		Data Sheet
<b>Central</b> <sup>™</sup>	2N3567 2N3568 2N3569	PN3567 PN3568 PN3569
Semiconductor Corp. 145 Adams Avenue, Hauppauge, NY 11788 USA Tel: (631) 435-1110 • Fax: (631) 435-1824	JEDEC TO-105	JEDEC TO-92(EBC)
Manufacturers of World Class Discrete Semiconductors	SILICON NPN	TRANSISTORS

### DESCRIPTION

The CENTRAL SEMICONDUCTOR 2N3567, PN3567 Series types are Silicon NPN Small Signal Transistors designed for general purpose amplifier applications.

MAXIMUM RATINGS (T <sub>A</sub> =25 <sup>0</sup> C)	SYMBOL	2N3568 PN3568	2N3567 PN3567 2N3569 PN3569	UNIT	
Collector-Base Voltage Collector-Emitter Voltage Emitter-Base Voltage Collector Current Base Current Power Dissipation, PN Types (TO-92 ( Power Dissipation, 2N Types (TO-105 Operating and Storage Junction Temperature		80 60 5.0 500 100 625 350 -55 TO		V V mA mA mW mW	
ELECTRICAL CHARACTERISTICS (T <sub>A</sub> =25 <sup>0</sup> C SYMBOL TEST CONDITIONS	unless otherwise not 2N3567 PN3567 MIN MAX	ted) 2N3568 PN3568 MIN MAX	2N3 PN3 MIN	569	UNIT
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	50 5.0 25 80 40 5.0 0.25 1.1 40 40 120 20 80 0MHz 60 600	$ \begin{array}{r}     50 \\     5.0 \\     25 \\     80 \\     60 \\     5.0 \\     0.25 \\     1.1 \\     40 \\     40 \\     120 \\     20 \\     80 \\     60 \\     600 \\ \end{array} $	80 40 5.0 100 100	50 5.0 25 0.25 1.1 300 20 80 600	ηΑ μΑ ηΑ V V V V V V F PF MHz

## **OUTSTANDING SUPPORT AND SUPERIOR SERVICES**



#### **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

#### 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

#### 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.centralsemi.com

Worldwide Field Representatives: www.centralsemi.com/wwreps

Worldwide Distributors: www.centralsemi.com/wwdistributors

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: <u>www.centralsemi.com/terms</u>

www.centralsemi.com





http://www.centralsemi.com

# Product End of Life Notification

PDN ID:	PDN01062
Notification Date:	1/13/17
Last Buy Date:	7/13/17
Last Shipment Date	1/13/18

Summary:All transistors manufactured in the TO-105 package are 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 various 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 Product Management Process. Any replacement product will be noted below. The effective date for placing the last purchase order will be six(6) months from the date of this notice and twelve(12) months from the notice date for final shipments; this may be extended if inventory is available.

Central Part Number	<b>Replacement</b>
2N3567	PN3567
2N3568	PN3568
2N3569	PN3569
2N3638	PN3638A
2N3638A	PN3638A
2N3644	PN3644
2N4354	PN4354
2N4355	PN4355
2N4356	PN4356

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.

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.