2N3467
2N3468

SILICON
PNP TRANSISTORS



TO-39 CASE

Central Semiconductor Corp.

www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR 2N3467 and 2N3468 are silicon PNP switching transistors designed for core driver applications.

MARKING: FULL PART NUMBER

MAXIMUM RATINGS: (T_A=25°C)	**SYMBOL**	**2N3467**	**2N3468**	**UNITS**
Collector-Base Voltage	V_{CBO}	40	50	V
Collector-Emitter Voltage	V_{CEO}	40	50	V
Emitter-Base Voltage	V_{EBO}	5.0		V
Continuous Collector Current	I_C	1.0		A
Power Dissipation	P_D	1.0		W
Power Dissipation (T_C=25°C)	P_D	5.0		W
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 to +200		°C
Thermal Resistance	Θ_{JA}	175		°C/W
Thermal Resistance	Θ_{JC}	35		°C/W

ELECTRICAL CHARACTERISTICS: (T_A=25°C unless otherwise noted)

		2N3467		**2N3468**		
SYMBOL	**TEST CONDITIONS**	**MIN**	**MAX**	**MIN**	**MAX**	**UNITS**
I_{CBO}	V_{CB}=30V	-	100	-	100	nA
I_{CBO}	V_{CB}=30V, T_A=100°C	-	15	-	15	μA
I_{CEV}	V_{CE}=30V, V_{BE}=3.0V	-	100	-	100	nA
I_{BEV}	V_{CE}=30V, V_{BE}=3.0V	-	120	-	120	nA
BV_{CBO}	I_C=10μA	40	-	50	-	V
BV_{CEO}	I_C=10mA	40	-	50	-	V
BV_{EBO}	I_E=10μA	5.0	-	5.0	-	V
$V_{CE(SAT)}$	I_C=150mA, I_B=15mA	-	0.3	-	0.36	V
$V_{CE(SAT)}$	I_C=500mA, I_B=50mA	-	0.5	-	0.6	V
$V_{CE(SAT)}$	I_C=1.0A, I_B=100mA	-	1.0	-	1.2	V
$V_{BE(SAT)}$	I_C=150mA, I_B=15mA	-	1.0	-	1.0	V
$V_{BE(SAT)}$	I_C=500mA, I_B=50mA	0.8	1.2	0.8	1.2	V
$V_{BE(SAT)}$	I_C=1.0A, I_B=100mA	-	1.6	-	1.6	V
h_{FE}	V_{CE}=1.0V, I_C=150mA	40	-	25	-	
h_{FE}	V_{CE}=1.0V, I_C=500mA	40	120	25	75	
h_{FE}	V_{CE}=5.0V, I_C=1.0A	40	-	20	-	

R2 (26-July 2013)

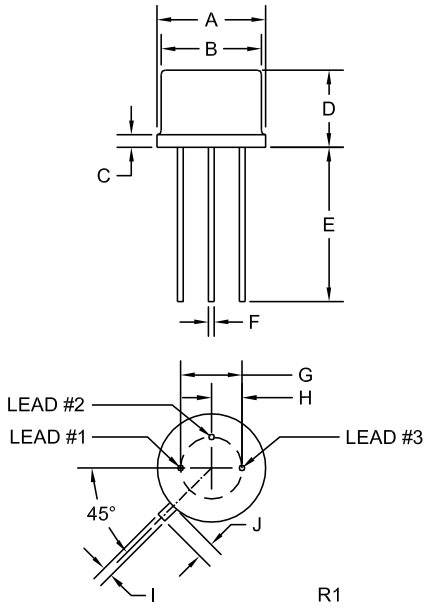
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ELECTRICAL CHARACTERISTICS - Continued: (T_A=25°C unless otherwise noted)

		2N3467		2N3468		
SYMBOL	**TEST CONDITIONS**	**MIN**	**MAX**	**MIN**	**MAX**	**UNITS**
f_T	V_{CE}=10V, I_C=50mA, f=100MHz	175	-	150	-	MHz
C_{ob}	V_{CB}=10V, I_E=0, f=100kHz	-	25	-	25	pF
C_{ib}	V_{EB}=0.5V, I_C=0, f=100kHz	-	100	-	100	pF
t_{on}	V_{CC}=30V, V_{BE}=2.0V, I_C=500mA, I_{B1}=50mA	-	40	-	40	ns
t_{off}	V_{CC}=30V, I_C=500mA, I_{B1}=I_{B2}=50mA	-	90	-	90	ns
Q_T	V_{CC}=30V, I_C=500mA, I_B=50mA	-	6.0	-	6.0	nC

TO-39 CASE - MECHANICAL OUTLINE



DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	MIN	MAX	MIN	MAX
A (DIA)	0.335	0.370	8.51	9.40
B (DIA)	0.315	0.335	8.00	8.51
C	-	0.040	-	1.02
D	0.240	0.260	6.10	6.60
E	0.500	-	12.70	-
F (DIA)	0.016	0.021	0.41	0.53
G (DIA)	0.200		5.08	
H	0.100		2.54	
I	0.028	0.034	0.71	0.86
J	0.029	0.045	0.74	1.14

TO-39 (REV: R1)

LEAD CODE:
1) Emitter
2) Base
3) Collector

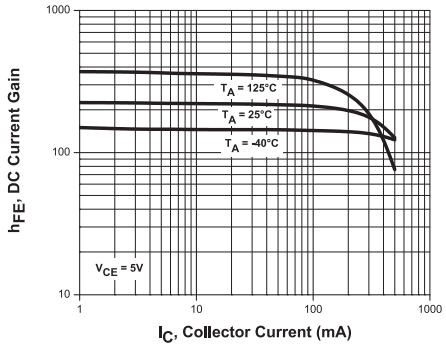
MARKING: FULL PART NUMBER

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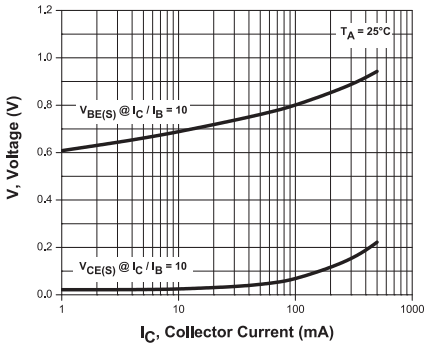
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TYPICAL ELECTRICAL CHARACTERISTICS

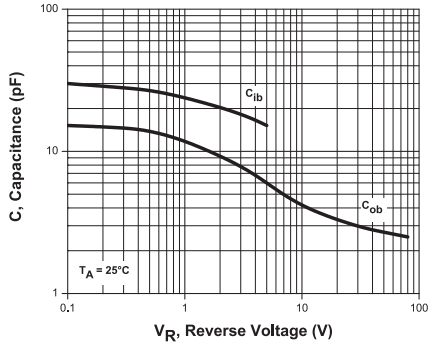
DC Current Gain



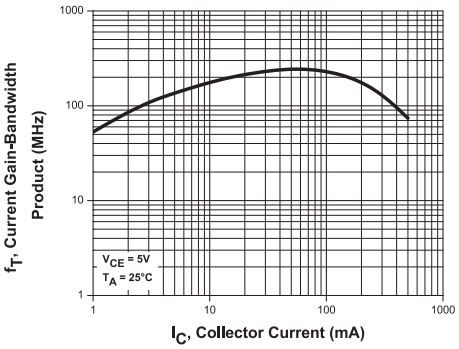
"ON" Voltage



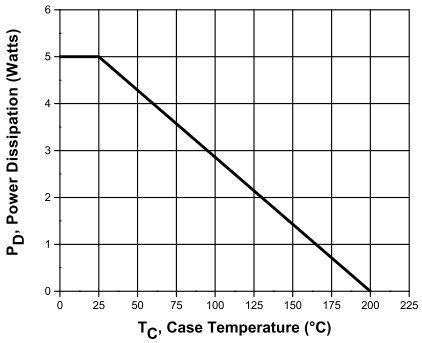
Capacitance



Current Gain-Bandwidth Product



Power Derating



R2 (26-July 2013)

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 (2nd 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

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).

CONTACT US

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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.centralsemi.com/terms

http://www.centralsemi.com

Product End of Life Notification

PDN ID:	PDN01245
Notification Date:	8/15/22
Last Buy Date:	2/15/23
Last Shipment Date	8/15/23

Summary:The CP767V wafer 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 Portfolio Management. 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.

*** All Plating types (PBFREE,TIN/LEAD) for each item listed are included in this notice.**

Central Part Number	Suggested Replacement
CEN1273-1	N/A
CP767V-2N3467-CT	N/A
2N3467	N/A
2N3468	N/A
2N3763	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. If you would like assistance, please visit https://my.centralsemi.com/submit-inquiry?type=ER to submit an online inquiry.

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.