



TO-237 CASE

V_{CE}=1.0V, I_C=1.0A

V_{CE}=1.0V, I_C=0.1A

V_{CE}=1.0V, I_C=1.0A

V_{CF}=10V, I_C=50mA, f=20MHz

V_{CB}=10V, I_E=0, f=1.0MHz

V_{BE(ON)}

h_{FE}

hFE

Cob

fT



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DESCRIPTION:

The CENTRAL SEMICONDUCTOR 2N6714, 2N6726 series types are complementary silicon plastic power transistors designed for general purpose power amplifier and switching applications.

1.2

250

500

30

MARKING: FULL PART NUMBER

MAXIMUM R Collector-Bas	ATINGS: (T _A =25°C) se Voltage	SYMBOL V _{CBO}	2N6714 <u>2N6726</u> 40	2N6715 <u>2N6727</u> 50	UNITS V
Collector-Em	itter Voltage	VCEO	30	40	V
Emitter-Base	Voltage	V _{EBO}	5	.0	V
Continuous C	Collector Current	ΙC	2	.0	А
Continuous E	Base Current	۱ _B	0	.5	А
Power Dissip	ation	PD	1	.0	W
Power Dissip	ation (T _C =25°C)	PD	2	.0	W
Operating an	d Storage Junction Temperature	т _Ј , т _{stg}	-65 to	+150	°C
Thermal Res	istance	Θ _{JA}	12	25	°C/W
Thermal Res	istance	ΘJC	62	2.5	°C/W
ELECTRICA	L CHARACTERISTICS: (T _A =25°C u	nless otherwise	noted)		
SYMBOL	TEST CONDITIONS	MIN	M	AX	UNITS
I _{СВО}	V _{CB} =Rated V _{CBO}		0	.1	μA
IEBO	V _{EB} =5.0V		0	.1	μA
BVCBO	I _C =1.0mA, (2N6714, 2N6726)	40			V
BVCBO	I _C =1.0mA, (2N6715, 2N6727)	50			V
BVCEO	I _C =10mA, (2N6714, 2N6726)	30			V
BVCEO	I _C =10mA, (2N6715, 2N6727)	40			V
BV _{EBO}	I _E =1.0mA	5.0			V
V _{CE(SAT)}	I _C =1.0A, I _B =0.1A		0	.5	V

60

50

50

R1 (31-July 2012)

V

MHz

pF



COMPLEMENTARY SILICON POWER TRANSISTORS



DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	MIN	MAX	MIN	MAX
А	0.160	0.215	4.06	5.46
В	0.095	0.105	2.41	2.67
С	0.260	0.280	6.60	7.11
D (DIA)	0.175	0.205	4.45	5.21
E	0.170	0.210	4.32	5.33
F	0.500	-	12.70	-
G	0.016	0.022	0.41	0.56
Н	0.100		2.54	
	0.0)50	1.	27
J	0.125	0.165	3.18	4.19
K	0.080	0.105	2.03	2.67
L	0.014	0.016	0.36	0.41
TO-237 (REV: R1)				

LEAD CODE:

1) Emitter

2) Base

3) Collector

MARKING: FULL PART NUMBER

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R1 (31-July 2012)

TO-237 CASE - MECHANICAL OUTLINE

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

DESIGNER SUPPORT/SERVICES

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

- Free guick 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

· Custom product packing

Custom bar coding for shipments

- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- · Application and design sample kits
- · Custom product and package development

REQUESTING PRODUCT PLATING

- If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when 1. 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

Corporate Headquarters & Customer Support Team

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Worldwide Field Representatives: www.centralsemi.com/wwreps

Worldwide Distributors: www.centralsemi.com/wwdistributors

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Product End of Life Notification

PDN ID:	PDN01004
Notification Date:	10/01/15
Last Buy Date:	
Last Shipment Date	10/01/16

Summary: All transistors manufactured in the TO-237 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	Replacement
CENW01	CEN-U01A
CENW01A	CEN-U01A
CENW05	CEN-U05
CENW06	CEN-U06
CENW07	CEN-U07
CENW10	CEN-U10
CENW13	MPSA13
CENW13 TRA	MPSA13
CENW14	MPSA14
CENW42	MPSA42
CENW42 TRA	MPSA42
CENW42 TRC	MPSA42
CENW42 TRE	MPSA42
CENW51	CEN-U51A
CENW51A	CEN-U51A
CENW55	CEN-U55
CENW56	CEN-U56
CENW57	CEN-U57
CENW60	CEN-U60
CENW63	MPSA63
CENW64	MPSA64
CENW64-5	MPSA64
CENW751	MPS751
CENW92	MPSA92
CENW92 TRA	MPSA92
CENW92 TRE	MPSA92
CEN1299	N/A
CEN940	N/A
TN2102	2N2102
TN2219A	2N2219A
TN2219A-5	2N2219A
TN2905A	2N2905A
TN2905A-5	2N2905A
TN3019	2N3019
TN3019-5	2N3019
TN3019A	2N3019
TN3020	2N3020
TN3053	2N3053
*** CONTINUED ***	

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.



http://www.centralsemi.com

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Replacement N/A MPS650 MPS650 MPS650 MPS651 MPS651
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MPS651
MPS651
MPS651
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MPS750
MPS750
MPS751
N/A
N/A
N/A
N/A N/A

*** CONTINUED ***

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Central Part Number Replacement

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.

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