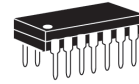


# Quad Transistors

## TO-116 Case (14 Pin DIP)



$T_C$  (@ 25°C)=3.0 Watts Total ( 4 Die Equal Power)

TYPE NO.	DESCRIPTION	$V_{CBO}$	$V_{CEO}$	$V_{EBO}$	$I_{CBO}$ @ $V_{CB}$		$h_{FE}$ @ $I_C$		$V_{CE(SAT)}$ @ $I_C$		$C_{ob}$ (pF) MAX	$f_T$ (MHz) MIN	NF Typ † (dB) MAX	$t_{OFF}$ (ns)	COMMENTS	PIN CONFIG.**
		(V)	(V)	(V)	(nA)	(V)	(mA)	(mA)	(V)	(mA)						
		MIN	MIN	MIN	MAX	MIN	MIN	MAX	MAX	MAX						
MPQ2222	NPN AMPL/SWITCH	60	40	5.0	50	50	30	300	0.40	150	8.0	200	--	--	4X 2N2222	A
MPQ2222A	NPN AMPL/SWITCH	60	40	6.0	60	10	40	500	0.30	150	8.0	200	--	--	4X 2N222A	A
MPQ2369	NPN SAT SWITCH	40	15	4.5	400	20	20	100	0.25	10	4.0	450	--	15	4X 2N2369	A
MPQ2483	NPN LOW NOISE	60	40	6.0	20	45	150	10	0.50	10	8.0	50	3.0	--	4X 2N2483	A
MPQ2484	NPN LOW NOISE	60	40	6.0	20	45	300	10	0.50	10	8.0	50	2.0	--	4X 2N2484	A
MPQ2906	PNP AMPL/SWITCH	60	40	5.0	50	30	30	300	0.4	150	8.0	200	--	150 TYP	4X 2N2906	B
MPQ2907	PNP AMPL/SWITCH	60	40	5.0	50	30	50	300	0.40	150	8.0	200	--	150 TYP	4X 2N2907	B
MPQ2907A	PNP AMPL/SWITCH	60	60	5.0	50	30	50	300	0.40	150	8.0	200	--	150 TYP	4X 2N2907A	B
MPQ3467	PNP CORE DRIVER	40	40	5.0	200	30	20	500	0.50	500	25	125	--	80	4X 2N3467	B
MPQ3725	NPN CORE DRIVER	60	40	5.0	500	40	25	500	0.45	500	10	250	--	50	4X 2N3725	A
MPQ3725A	NPN CORE DRIVER	70	50	5.0	500	40	30	500	0.45	500	10	200	--	50	4X 2N3725A	A
MPQ3762	PNP CORE DRIVER	40	40	5.0	100	30	20	1,000	0.55	500	15	150	--	100	4X 2N3762	B
MPQ3798	PNP LOW NOISE	60	40	5.0	10	50	125	10	0.25	1.0	4.0	60	2.5†	--	4X 2N3798	B
MPQ3799	PNP LOW NOISE	60	60	5.0	10	50	250	10	0.25	1.0	4.0	60	1.5†	--	4X 2N3799	B
MPQ3904	NPN AMPL/SWITCH	60	40	6.0	50	40	75	10	0.20	10	4.0	250	--	130	4X 2N3904	A
MPQ3906	PNP AMPL/SWITCH	40	40	5.0	50	30	75	10	0.25	10	4.5	200	--	150	4X 2N3906	B
MPQ6002	NPN/PNP AMPL/SWITCH	60	30	5.0	30	50	30	300	0.40	150	8.0	200	--	225	+ 2X 2N2907 2X 2N2222	C
MPQ6100A	NPN/PNP LOW NOISE	60	45	5.0	10	50	125	10	0.25	1.0	4.0	50	4.0	--	+ 2X 2N3799 2X 2N2484	C
MPQ6502	NPN/PNP AMPL/SWITCH	60	30	5.0	30	50	30	300	0.40	150	8.0	200	--	225	+ 2X 2N2907 2X 2N2222	D
MPQ6700	NPN/PNP AMPL/SWITCH	40	40	5.0	50	30	70	10	0.25	10	4.5	200	--	150	+ 2X 2N3906 2X 2N3904	D
MPQ7043	NPN HIGH VOLTAGE	250	250	5.0	100	180	40	30	0.50	20	5.0	50	--	--	4X MPSA42	A
MPQ7053	NPN/PNP HIGH VOLTAGE	250	250	5.0	250	180	25	30	0.70	20	6.0	50	--	--	+ 2X MPSA92 2X MPSA42	D
MPQ7093	PNP HIGH VOLTAGE	250	250	5.0	250	180	25	30	0.50	20	5.0	50	--	--	4X MPSA92	A

\*\* See mechanical drawing on page 221.

(16-March 2012)

## 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

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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>	PDN01169
<b>Notification Date:</b>	3/26/21
<b>Last Buy Date:</b>	9/26/21
<b>Last Shipment Date</b>	3/26/22

Summary: The devices below manufactured in the TO-116 case are discontinued and now classified as End of Life (EOL); last time buy orders will be NCNR. Note: MPQ2222, MPQ222A, and MPQ3904 are NOT being discontinued and remain active devices.

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.

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

<u>Central Part Number</u>	<u>Replacement</u>
MPQ2369	N/A
MPQ2483	N/A
MPQ2484	N/A
MPQ2907	N/A
MPQ2907A	N/A
MPQ3467	N/A
MPQ3762	N/A
MPQ3798	N/A
MPQ3799	N/A
MPQ3906	N/A
MPQ6002	N/A
MPQ6100A	N/A
MPQ6502	N/A
MPQ6700	N/A
MPQ7043	N/A
MPQ7053	N/A
MPQ7093	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.

# Mouser Electronics

Authorized Distributor

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## Central Semiconductor:

[MPQ2369](#) [MPQ3762](#) [MPQ2483](#) [MPQ7093](#) [MPQ2222A PBFREE](#) [MPQ2369 TIN/LEAD](#) [MPQ2222 PBFREE](#)  
[MPQ2483 TIN/LEAD](#) [MPQ3725A TIN/LEAD](#) [MPQ6502 TIN/LEAD](#)