

# Small Signal Transistors

## TO-92 Case (Continued)



TYPE NO.	DESCRIPTION	LEAD CODE	V <sub>CBO</sub>	V <sub>CEO</sub>	V <sub>EBO</sub>	I <sub>CBO</sub> @	V <sub>CB</sub>	h <sub>FE</sub>		@ V <sub>CE</sub>	@ I <sub>C</sub>	V <sub>CE</sub> (SAT) @ I <sub>C</sub>		C <sub>ob</sub>	f <sub>T</sub>	NF	t <sub>off</sub>
			(V)	(V)	(V)	(nA)		MIN	MAX	(V)	(mA)	(V)	(mA)	(pF)	(MHz)	(dB)	
			MIN	*V <sub>CE(S)</sub> MIN	MIN	*I <sub>CE(S)</sub> MAX								*h <sub>FE</sub> (1kHz)	*C <sub>rb</sub> MAX	*TYP MIN	MAX
MPSA25	NPN DARLINGTON	EBC	40	40*	10	100	30	10,000	--	5.0	100	1.50	100	125	--	--	--
MPSA26	NPN DARLINGTON	EBC	50	50*	10	100	40	10,000	--	5.0	100	1.50	100	125	--	--	--
MPSA27	NPN DARLINGTON	EBC	60	60*	10	100	50	10,000	--	5.0	100	1.50	100	125	--	--	--
MPSA28	NPN DARLINGTON	EBC	80	80*	12	100	60	10,000	--	5.0	100	1.50	100	8.0	125	--	--
MPSA29	NPN DARLINGTON	EBC	100	100	12	100	80	10,000	--	5.0	100	1.50	100	8.0	125	--	--
MPSA42	NPN HIGH VOLTAGE	EBC	300	300	6.0	100	200	40	--	10	30	0.50	20	3.0	50	--	--
MPSA44	NPN HIGH VOLTAGE	EBC	500	400	6.0	100	400	50	200	10	10	0.75	50	6.0	20	--	--
MPSA45	NPN HIGH VOLTAGE	EBC	400	350	6.0	100	320	50	200	10	10	0.75	50	6.0	20	--	--
MPSA55	PNP AMPL/SWITCH	EBC	60	60	4.0	100	60	50	--	1.0	100	0.25	100	--	50	--	--
MPSA56	PNP AMPL/SWITCH	EBC	80	80	4.0	100	80	50	--	1.0	100	0.25	100	--	50	--	--
MPSA62	PNP DARLINGTON	EBC	20	20*	10	100	15	20,000	--	5.0	10	1.0	10	--	125	--	--
MPSA63	PNP DARLINGTON	EBC	30	30*	10	100	30	10,000	--	5.0	100	1.50	100	--	125	--	--
MPSA64	PNP DARLINGTON	EBC	30	30*	10	100	30	20,000	--	5.0	100	1.50	100	--	125	--	--
MPSA65	PNP DARLINGTON	EBC	30	30*	8.0	100	30	20,000	--	5.0	100	1.50	100	--	100	--	--
MPSA66	PNP DARLINGTON	EBC	30	30*	8.0	100	30	40,000	--	5.0	100	1.50	100	--	100	--	--
MPSA70	PNP LOW NOISE	EBC	--	40	4.0	100	30	40	400	10	5.0	0.25	10	4.0	125	--	--
MPSA75	PNP DARLINGTON	EBC	40	40*	10	100	30	10,000	--	5.0	100	1.50	100	--	125	--	--
MPSA76	PNP DARLINGTON	EBC	50	50*	10	100	40	10,000	--	5.0	100	1.50	100	--	125	--	--
MPSA77	PNP DARLINGTON	EBC	60	60*	10	100	50	10,000	--	5.0	100	1.50	100	--	125	--	--
MPSA92	PNP HIGH VOLTAGE	EBC	300	300	5.0	250	200	25	--	10	30	0.5	20	6.0	50	--	--
MPSA94	PNP HIGH VOLTAGE	EBC	500	400	6.0	100	400	50	200	10	10	0.75	50	6.0	20	--	--
MPSD04	NPN DARLINGTON	EBC	--	25*	10	1,000	20	1,000	--	5.0	300	1.0	100	--	100	--	--
MPSD54	PNP DARLINGTON	EBC	--	25*	10	1,000	20	1,000	--	5.0	100	1.0	100	--	100	--	--
MPSH10	NPN RF OSC	BEC	30	25	3.0	100	25	60	--	10	4.0	0.50	4.0	0.65*	650	--	--
MPSH11	NPN RF OSC	BEC	30	25	3.0	100	25	60	--	10	4.0	0.50	4.0	0.90*	650	--	--
MPSL01	NPN HIGH VOLTAGE	EBC	140	120	5.0	1,000	75	50	300	5.0	10	0.30	50	8.0	60	--	--
MPSL51	PNP HIGH VOLTAGE	EBC	100	100	4.0	1,000	50	40	250	5.0	50	0.30	50	8.0	60	--	--
PN918	NPN RF OSC	EBC	30	15	3.0	10	15	20	--	1.0	3.0	0.40	10	1.7	600	6.0	--
PN2222A	NPN AMPL/SWITCH	EBC	75	40	6.0	10	60	100	300	10	150	1.0	500	8.0	300	4.0	285
PN2369A	NPN SAT SWITCH	EBC	40	15	4.5	400	20	40	120	0.35	10	0.50	100	4.0	500	--	18
PN2484	NPN LOW NOISE	EBC	60	60	6.0	10	45	250	--	5.0	1.0	0.30	1.0	6.0	--	3.0	--
PN2906	PNP AMPL/SWITCH	EBC	60	40	5.0	20	50	40	120	10	150	1.60	500	8.0	200	--	100
PN2906A	PNP AMPL/SWITCH	EBC	60	60	5.0	10	50	40	120	10	150	1.60	500	8.0	200	--	100
PN2907	PNP AMPL/SWITCH	EBC	60	40	5.0	20	50	100	300	10	150	1.60	500	8.0	200	--	100
PN2907A	PNP AMPL/SWITCH	EBC	60	60	5.0	10	50	100	300	10	150	1.60	500	8.0	200	--	100
PN3563	NPN RF OSC	EBC	30	12	2.0	50	15	20	200	10	8.0	--	--	1.7	600	--	--
PN3564	NPN RF OSC	EBC	30	15	4.0	50	15	20	200	10	15	0.30	20	3.5	400	--	--
PN3565	NPN LOW NOISE	EBC	30	25	6.0	50	25	150	600	10	1.0	0.35	1.0	4.0	40	--	--
PN3566	NPN AMPL/SWITCH	EBC	40	30	5.0	50	20	150	600	10	10	1.0	100	25	40	--	--
PN3567	NPN AMPL/SWITCH	EBC	80	40	5.0	50	40	40	120	1.0	150	0.25	150	20	60	--	--
PN3568	NPN AMPL/SWITCH	EBC	80	60	5.0	50	40	40	120	1.0	150	0.25	150	20	60	--	--
PN3569	NPN AMPL/SWITCH	EBC	80	40	5.0	50	40	100	300	1.0	150	0.25	150	20	60	--	--
PN3638A	PNP AMPL/SWITCH	EBC	25	25	4.0	35*	15	100	--	1.0	50	1.0	300	10	150	--	170
PN3639	PNP SAT SWITCH	EBC	6.0	6.0	4.0	10*	3.0	30	120	0.30	10	0.50	50	3.5	500	--	60
PN3640	PNP SAT SWITCH	EBC	12	12	4.0	10*	6.0	30	120	0.30	10	0.60	50	3.5	500	--	75

## 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)

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