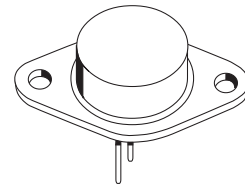


# Power Transistors

## TO-3 Case (Continued)



TYPE NO.		I <sub>C</sub> (A) MAX	P <sub>D</sub> (W)	BV <sub>CBO</sub> **BV <sub>CEV</sub> (V) MIN	BV <sub>CEO</sub> (V) MIN	h <sub>FE</sub>		@ I <sub>C</sub> (A)	V <sub>CE(SAT)</sub> @ I <sub>C</sub>		f <sub>T</sub> *TYP (MHz) MIN
NPN	PNP					MIN	MAX		(V) MAX	(A)	
BUY69C		10	100	500	200	15	--	2.5	3.3	8.0	10*
MJ802	MJ4502	30	200	100	90	25	100	7.5	0.8	7.5	2.0
MJ1000	MJ 900	8.0	90	60	60	1,000	--	3.0	4.0	8.0	6.0
MJ1001	MJ 901	8.0	90	80	80	1,000	--	3.0	4.0	8.0	6.0
MJ3000	MJ2500	10	150	60	60	1,000	--	5.0	4.0	10	--
MJ3001	MJ2501	10	150	80	80	1,000	--	5.0	4.0	10	--
MJ4033	MJ4030	16	150	60	60	1,000	--	10	4.0	16	--
MJ4034	MJ4031	16	150	80	80	1,000	--	10	4.0	16	--
MJ4035	MJ4032	16	150	100	100	1,000	--	10	4.0	16	--
MJ10012	MJ6503	8.0	125	450**	400	15	--	2.0	5.0	8.0	--
MJ10023†		10	175	600	400	100	2,000	6.0	2.5	10	--
MJ10023†		40	250	600**	400	50	600	10	5.0	40	--
MJ11012	MJ11011	30	200	60	60	1,000	--	20	4.0	30	4.0
MJ11014	MJ11013	30	200	90	90	1,000	--	20	4.0	30	4.0
MJ11016	MJ11015	30	200	120	120	1,000	--	20	4.0	30	4.0
PMD10K40	PMD11K40	12	150	40	40	800	20,000	6.0	2.0	12	4.0
PMD10K60	PMD11K60	12	150	60	60	800	20,000	6.0	2.0	6.0	4.0
PMD10K80	PMD11K80	12	150	80	80	800	20,000	6.0	2.0	6.0	4.0
PMD10K100	PMD11K100	12	150	100	100	800	20,000	6.0	2.0	6.0	4.0
PMD12K40	PMD13K40	8.0	100	40	40	800	20,000	4.0	2.0	4.0	4.0
PMD12K60	PMD13K60	8.0	100	60	60	800	20,000	4.0	2.0	4.0	4.0
PMD12K80	PMD13K80	8.0	100	80	80	800	20,000	4.0	2.0	4.0	4.0
PMD12K100	PMD13K100	8.0	100	100	100	800	20,000	4.0	2.0	4.0	4.0
PMD1601K	PMD1701K	20	180	60	60	750	20,000	10	2.0	10	4.0
PMD1602K	PMD1702K	20	180	80	80	750	20,000	10	2.0	10	4.0
PMD1603K	PMD1703K	20	180	100	100	750	20,000	10	2.0	10	4.0
PMD16K60	PMD17K60	20	200	60	60	800	20,000	10	2.0	10	4.0
PMD16K80	PMD17K80	20	200	80	80	800	20,000	10	2.0	10	4.0
PMD16K100	PMD17K100	20	200	100	100	800	20,000	10	2.0	10	4.0
PMD18K60	PMD19K60	30	225	60	60	800	20,000	15	2.0	15	4.0
PMD18K80	PMD19K80	30	225	80	80	800	20,000	15	2.0	15	4.0
PMD18K100	PMD19K100	30	225	100	100	800	20,000	15	2.0	15	4.0
SE9303	SE9403	10	100	60	60	1,000	--	7.5	2.5	7.5	1.0
SE9304	SE9404	10	100	80	80	1,000	--	7.5	2.5	7.5	1.0
SE9305	SE9405	10	100	100	100	1,000	--	7.5	2.5	7.5	1.0

Shaded areas indicate Darlington.  
 † Uses 60 mil leads.  
 See mechanical specifications on page 209

(6-December 2004)

**Central**<sup>™</sup>  
**Semiconductor Corp.**  
 www.centalsemi.com



## 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

---

### 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

#### 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)

**Worldwide Field Representatives:**  
[www.centrasemi.com/wwreps](http://www.centrasemi.com/wwreps)

**Worldwide Distributors:**  
[www.centrasemi.com/wwdistributors](http://www.centrasemi.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: [www.centrasemi.com/terms](http://www.centrasemi.com/terms)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Darlington Transistors](#) category:*

*Click to view products by [Central Semiconductor](#) manufacturer:*

Other Similar products are found below :

[281287X](#) [SMMBT6427LT1G](#) [2N7371](#) [BDV64B](#) [JANTXV2N6287](#) [028710A](#) [SMMBTA64LT1G](#) [2N6350](#) [2SB1214-TL-E](#)  
[SMMBTA14LT1G](#) [SBSP52T1G](#) [NJVMJD117T4G](#) [Jantx2N6058](#) [2N6353](#) [LB1205-L-E](#) [500-00005](#) [2N6053](#) [NJVMJD112G](#) [Jan2N6350](#)  
[Jantx2N6352](#) [Jantx2N6350](#) [BULN2803LVS](#) [ULN2001N](#) [2SB1383](#) [2SB1560](#) [2SB852KT146B](#) [TIP112TU](#) [TIP122TU](#) [BCV27](#) [MMBTA13-](#)  
[TP](#) [MMBTA14-TP](#) [MMSTA28T146](#) [BSP50H6327XTSA1](#) [KSH122TF](#) [NTE2557](#) [NJVNJD35N04T4G](#) [TIP115](#) [MPSA29-D26Z](#) [MJD127T4](#)  
[FJB102TM](#) [BCV26E6327HTSA1](#) [BCV46E6327HTSA1](#) [BCV47E6327HTSA1](#) [BSP61H6327XTSA1](#) [BU941ZPFI](#) [2SB1316TL](#) [2SD1980TL](#)  
[NTE2350](#) [NTE245](#) [NTE246](#)