
Transistor And Semiconductor Devices Laboratory For

transistor museum™ history of - transistor museum™ history of transistors volume 1 copyright © 2009 by jack ward. all rights reserved. <http://transistormuseum> **is now part of - semiconductor and integrated circuit devices** - ©2018 semiconductor components industries, llc rev. 2, november 2018 pn2222 npn epitaxial silicon transistor absolute maximum ratings $t_a=25^\circ\text{c}$ unless otherwise noted electrical characteristics $t_a=25^\circ\text{c}$ unless otherwise noted * pulse test: pulse width $\leq 300\mu\text{s}$, duty cycle $\leq 2\%$ **bipolar transistor bjt - university of pittsburgh** - bipolar transistor basics in the . diode. tutorials we saw that simple diodes are made up from two pieces of semiconductor material, either silicon or germanium to form a simple pn-junction and we also learnt about their properties and characteristics. **bss84 p-channel enhancement mode field-effect transistor** - onsemi 2 bss84 — p-channel enhancement mode field-effect transistor electrical characteristics(2) symbol parameter conditions min. typ. max. unit **bc546/547/548/549/550 npn epitaxial silicon transistor** - ©2002 fairchild semiconductor corporation rev. a2, august 2002 bc546/547/548/549/550 npn epitaxial silicon transistor absolute maximum ratings $t_a=25^\circ\text{c}$ unless otherwise noted electrical characteristics $t_a=25^\circ\text{c}$ unless otherwise noted hfe classification symbol parameter value units **2n3904 mmbt3904 pzt3904 - npn general-purpose amplifier** - 2n3904 / mmbt3904 / pzt3904 — npn general-purpose amplifier © 2002 fairchild semiconductor corporation fairchildsemi 2n3904 / mmbt3904 / pzt3904 rev. 1.1.0 **2 8-unit 500ma darlington transistor array with clamp diode ...** - 1 m54562fp 8-unit 500ma darlington transistor array with clamp diode source type 2012y description m54562fp is an eight-circuit output-sourcing darlington **2n2222a - small signal switching transistor** - 2n2222a <http://onsemi> 2 electrical characteristics ($t_a = 25^\circ\text{c}$ unless otherwise noted) characteristic symbol min max unit off characteristics collector-emitter ... **2n3903, 2n3904 general purpose transistors - brown** - semiconductor components industries, llc, 2003 december, 2003 – rev. 4 1 publication order number: 2n3903/d 2n3903, 2n3904 2n3903 is a preferred device **d882 transistor (npn) - ps-pfs** - d882 transistor (npn) maximum ratings* $t_a=25^\circ\text{c}$ unless otherwise noted symbol parameter value units v cbo collector-base voltage 40 v v ceo collector-emitter voltage 30 v v ebo emitter-base voltage 6 v i c collector current -continuous 3 a p d total device dissipation 1.25 w t j junction temperature 150°C t stg junction and storage temperature $-55-150^\circ\text{C}$ **aod4189 p-channel enhancement mode field effect transistor** - symbol vds vgs idm iar ear tj, tstg symbol typ max 15 20 41 50 rθjc 2 2.4 °c 62.5 31-55 to 175 w 2.5 1.6 continuous drain current b,h parameter maximum units $t_c=25^\circ\text{c}$ $t_c=100^\circ\text{c}$ -40 absolute maximum ratings $t_c=25^\circ\text{c}$ unless otherwise noted v $t_a=70^\circ\text{c}$ power dissipation b avalanche current c repetitive avalanche energy $I=0.1\text{mh}$ c a **semi-conductor/transistor cross-reference list peavey ...** - page 5 original in-house number alternate in-house number field replacement number order number notes sj-8306* 84200 mj-15024 70484200 npn 200v output sj-8307* 74200 mj-15025 70474200 pnp 200v output **chapter fourteen semiconductor electronics: materials ...** - 469 semiconductor electronics: materials, devices and simple circuits semiconductors. however, after 1990, a few semiconductor devices using organic semiconductors and semiconducting polymers have been **uln200x, ulq200x high-voltage, high-current darlington ...** - 7c 6c 5c 4c 3c 2c 1c com 7 6 5 4 3 2 1 7b 6b 5b 4b 3b 2b 1b 10 11 12 13 14 15 16 9 product folder sample & buy technical documents tools & software support ... **toshiba photocoupler gaas ired & photo transistor tlp521 1 ...** - tlp521-1, tlp521-2, tlp521-4 1 2002-09-25 toshiba photocoupler gaas ired & photo-transistor tlp521-1, tlp521-2, tlp521-4 programmable controllers ac/dc-input module **electrostatic discharge (esd) protective semiconductor ...** - szza027a electrostatic discharge (esd) protective semiconductor packing materials and configurations 3 introduction the purpose of this application report is to describe in detail the methods used to test, evaluate, **from sand to silicon - intel** - copyright © 2009, intel corporation. all rights reserved. intel, intel logo and intel core are trademarks of intel corporation in the u.s. and other countries. **semiconductor device physics and design** - semiconductor device physics and design umesh k. mishra university of california, santa barbara, ca, usa and jasprit singh the university of michigan, ann arbor, mi, usa **lm35lm35alm35clm35calm35d precision centigrade temperature ...** - applications the lm35 can be applied easily in the same way as other integrated-circuit temperature sensors it can be glued or cemented to a surface and its temperature will be within **features general description - xlsemi** - datasheet 3a 52khz 40v buck dc to dc converter xl2576 rev 2.6 xlsemi **mgfc36v5258 - mgfc36v5258 . 5.2 - 5.8 ghz band / 4w . description the mgfc36v5258 is an internally impedance-matched analog high speed coupler, high noise immunity, 1 mbd, sop ... - vom452, vom453 vishay vishay semiconductors rev. 1.6, 31-may-16 2 document number: 81587 for technical questions, contact: optocoupleranswers@vishay this document is subject to change without notice. **optocoupler, phototransistor output, high reliability, 5300 v - sfh6156 vishay vishay semiconductors rev. 2.8, 21-apr-17 1 document number: 83671 for technical questions, contact: optocoupleranswers@vishay this document is subject to change without notice. cd4047 - syc - semiconductores y componentes - cd4047 cmos low-power monostable/astable multivibrator description cd4047bms consists of a gatable astable multivibrator with logic tech-niques incorporated to permit positive or negative edge triggered****

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