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## Current Regulator Diodes Farnell Element14 Book Mediafile Free File Sharing

**current regulator diodes - farnell element14** - cr160 series vishay siliconix document number: 70195 s-40250 rev. e, 15-mar-04 vishay 1 current regulator diodes cr160 cr220 cr300 cr390 **current regulator diodes p ov(min) 45 ... - farnell element14** - sst502 series vishay siliconix document number: 70711 s-04234 rev. c, 02-jul-01 vishay 3-1 current regulator diodes p ov(min) 45 v sst502 sst504 sst506 sst508 sst510 **zxgd3113ev1 user guide - diodes incorporated** - farnell : 148029 application suggestions: stand by current is directly proportional to the synchronous mosfet's switching times. for applications where low stand by current is a key criterion, circuit shown in figure 7 can be implemented to achieve lower stand by current while not effecting the switching performance. **lm3406 1.5-a, constant current, buck regulator for driving ...** - lm3406 1.5-a, constant current, buck regulator for driving high power leds 1 features 3 description the lm3406 family are monolithic switching 1 • lm3406hv-q1 regulators designed to deliver constant currents - automotive grade device high power leds. ideal for automotive, industrial, and **the farnell super 12 - farnell element14 uk** - synchronous microbuck® regulator 4.5 v to 60 v buck regulator capable of delivering up to 75 w output power power ics features • scalable solution for 3 a, 6 a, and 10 a • stable with any output capacitor • 100 khz to 1.5 mhz operating frequency • low quiescent current - 250 µa, low shutdown current **1smb5913bt3, sz1smb5913t3g series - 3 watt plastic surface ...** - sz1smb59xxt3g series 3 watt plastic surface mount ... regulator diodes 3.3 ... zener impedance (zz) derivation zzt and zzk are measured by dividing the ac voltage drop across the device by the ac current applied. the specified limits are for  $i_z(ac) = 0.1 i_z(dc)$  with the ac frequency = 60 hz. **formerly general semiconductor zener diodes** - (1) the zener impedance is derived from the 1 khz ac voltage which results when an ac current having an rms value equal to 10% of the zener current ( $i_{zt}$  or  $i_{zk}$ ) is superimposed on  $i_{zt}$  or  $i_{zk}$ . zener impedance is measured at two points to insure a sharp knee on the breakdown curve and to eliminate unstable units **a better oring diode for intermediate bus voltages** - the other problem with schottky diodes is their leakage. depending on the worst case junction temperature, the leakage can be significant. this diode has a leakage current of 8 ma at a 125°C junction temperature and a 10 volt reverse bias. that's 80 mw of dissipation when it is in it's off state. fet diodes **lt3080 - adjustable 1.1a single resistor low dropout regulator** - regulator the lt 3080 is a 1.1a low dropout linear regulator that can be paralleled to increase output current or spread heat in surface mounted boards. architected as a precision current source and voltage follower allows this new regulator to be used in many applications requiring high current, adjustability to zero, and no heat sink. **lm431 adjustable precision zener shunt regulator datasheet ...** - the lm431 is a precision zener diode. the part requires a small quiescent current for regulation, and regulates the output voltage by shunting more or less current to ground, depending on input voltage and load. the only external component requirement is a resistor between the cathode and the input voltage to set the input current. **lm317, ncv317 1.5 a adjustable output, positive voltage ...** - the lm317 serves a wide variety of applications including local, on card regulation. this device can also be used to make a programmable output regulator, or by connecting a fixed resistor between the adjustment and output, the lm317 can be used as a precision current regulator. features • output current in excess of 1.5 a **max16818 ev kit - maxim integrated** - transistor q1, shunt regulator u3, and resistors r1, r2, and r3 can be omitted from the ev kit, saving components and reducing the required pcb space. output current range the max16818 ev kit can deliver up to 1a into an 18v series led string. the maximum output current is configurable by sense resistor r14. the led current can be **advanced ams1117 monolithic 1a low dropout voltage ...** - monolithic 1a low dropout voltage regulator systems rohs compliant ... adjust pin current ams1117  $i_{out} = 10ma$ ,  $1.5v \leq (v_{in} - v_{out})$  ... protection diodes unlike older regulators, the ams1117 family does not need any protection diodes between the adjustment pin and the output and **zener diode - ryerson university** -  $i_{zt}$  reverse current  $z_{zt}$  maximum zener impedance at  $i_{zt}$   $i_{zk}$  reverse current  $z_{zk}$  maximum zener impedance at  $i_{zk}$   $i_r$  reverse leakage current at  $v_r$   $v_r$  breakdown voltage if forward current  $v_f$  forward voltage at if zener voltage regulator temperature coefficients (-55°C to +150°C temperature range; 90% of the units are in the ranges indicated) **rectifier snubbing - background and best practices** - age inductance and low stray capacitance), standard 1 n4007 diodes in a centre-tapped rectifier (and therefore only one diode in series at any one time), into a 15,000µf reservoir capacitor, loaded by a regulator (which is a constant current load, and therefore provides no damping); figure 12. 14 15

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