

or (Azi and Bzo) transtile goes ht Saturether and other teensente goes het cat eff ashare inpel 15 how. This increases the with drip acres me collecter results and decrease for Positive outpil is life. output welleys, Vo = VCE (Sut), 1e ? of Azi s Beo So OIP 20 : whom [A=B=1] " betu Jupels are high. But Transtil Joes 1th Substation and off wileye is equal to Suburation Voltye .: (A2B21, Y20 1/2 # DCTL NAND gato Ofesothin Care Jo when [AZBZO], butu Jupuls are Low, when AZBZO , but jugar to Cut off State and output buth Frankler T, and Is four it cut off State and output value voltupe and output voltupe equal to be (AZBZO, Y=1) B. BT when [Azw and BZ] . my one gift is Low, then the of Azi and BEW]. Carses puchy teachethe guis it cult all the Ne. when [A=B ZI] . . when but griphets are suffe, Transter I, S Is gives 1xto Subsallum Stitu and orthod voltage is in sufficient it carried such as I many the the many such that the course with the super such that the super such that the super super such that the super a drup across he and of withe at Y belower love. Theoli

Q. A get downs 2.8 mf currents of mign of and 5.2 ms - 63. Current for Low off. Catallute the my. fower dissipution If (Vec = 10V) and let is oferented on a 50% duty cycle And is The Ang lower dust puther is governly: Po (Ang) = Ice (ang) X Vec I I colony) = Ich + Icel = 2-8+5-2 = 8 = 4mp == 10 (mg) = 4 × 103 × 10 (loing) = homn Of Calculat the for-act of fulling values of carrets are give? IOL (Max) = 15 m A | IIL (Man) = 0.2 m A IOH (Man) = 1 mp | IJH (Man) = 851 A And I for out for how skith is given by: fan-art (Lus) = IOL (Mon) = 15 x 16 faract (con = 75) => far-ent for tuft state: IOH(Man) = 1×16 = +000 IIH(NOM) = 8×166 = +000 Ffer-act (myh) = 125 Of Cal. he Speed-lower broduct for an Ic family hang and,
fower Dissiperation of 5 mm and freebythe delay the of 6 nsee.

And Spp = Pd × PD(ang) = 6 × 10 9 × 5 × 163 = 30 Pico Junels