flegen Vin = 38V, SET=1. B==400. VBE =0,7V (mm) 4,381K (TKII: 1, 5 V1-V01 = 35 = 12,86 mt (cotalog-LED) TKE: 12 = V1-VDZ = 38-5,6 = 6,92 mft 1. io3 << 13 => 12= 102+13 1. 105 xx 13 =) 1813-14 = 13 TKII: VOZ = 13 (RAI-12+ RA3-14) (x) 13 = 5,6 = 0,957 mA TKII: VOZ = 183. R8+0,7+10R10 (=> 1,0 = 5,6-0,7 = 4,9 mf

Q1,Q2 formearà o aglindà de curent; Q1,2-de acebritip, R6=R7=)

=) ic, = lez ; le, = lez << le, siez =) le3 = le1

1c4 = 1c2-16 16 = 18 € + 108 + 105; 18c - It mie; 108 milco mut aventi mici, jana cand actionerea protectule la temperatura, respectivo suprassacina, transistassele "deschireandr-se". => 16 << 102 => 164 ~ 102 =) | 8, = ... = 18, = 6,125,uft

184 4 (c4)=> { | c1 = 163 | c> | c1 = | c2 = | c3 = | c4) 10=103+104=> Te1=103=104=103=2=2,45mf =>

TKII: 12R5 +183R8 + 10, R6+VEC, 10 VEC, = 3, 24-10-2,45 x VEC1 = VEB 1 = 0,71 TKT: 12 R5 + 183 R5 = 1 C1 RC+VEC1+ VCB3 (=> VCB3 = 32,4 -2,45=0,7 = 29,25 V=) E) VCE3 = 29,25+0,7 = 29,95V 1 1By Ke Idira TKII: Rain + Riolio = 1 dir. Pez-zy (=) 1 dir = R21-24 5,8 = 4,05 mft >> 184 (13 = 957 MA >> 183 = 6,125 MA V) Vo = 1 dio (R18-21 + R22-24) = 4,05. (3,771+1,381) = 20,87 TKII: Va = 103. R25-28 + VD3 (=) 103 = 17,67 = 24,84 mV (Vo3=3,2V, la curenti marci (>20mA)) TKII: Vo=12. R29-34 (0) 1 = 27,87 = 27,46mA VBEG = VBEZ 50,7V =5 VCB8 = 1,4V TKI: ine = idin+103+12=53,32mA => VR15-14=53,32.0,00141=0,07 V=> TKII) VBE8 = 0,07V (transitional me este desalvis) =) =) VCE8 = 1,47V = tage =) Vary = VCE8 + Va = 20,87+1,47 = 22,34V VRE5 =0,025. lu(ics)=> Vary = VCE5 = 22,34V =) 105 = 221,2 (x) = 21,2 -11 = 155 = 10 = TKII: V, - Vamp = Ryicz + VECz (=) VECz = 5 13,21V =) l8= 40,2 mf =16,14f => TKT: 38-20,87 = VCE7+0,07 => VCE7 = 17,06V TKII: Vamp = VCE4 + R1010 (=) VCE4 = 22,34-4,9 =17,44V = 16=165 = 16,1 pt VCB7 = 17,06-0,4 =16,36 V TKT VCE6 11 is « loc => lcx= loc =53,32mA => ls = 133 MA = lc6 => ls6=333 MA TKII: VBE5 = 13. R13-14 = 0,53 V ice = ise (decorrece VBER & = Vth lutis)); is & Psice model 10 pt = ice

· PR = = R = 112 = 12,862 - 2,72 = 450mW => B, ..., R, = 450 = 112,5 mW

· PR 5,35 = 2.6,92 = 35,74 mW

· PRG = PR7 = 1.2,452 = 6 mW

· PR = PR = 0,51 · 6,1252 · N= = 19,13 NW

· PR10=1.4,92 = 24 ml

· PR 11 = 2.0,954 = 1,83 mW

· PR12 = 3,022 mW

· PR13 = 0,43 mW

· PRIS 0,048mW

· PR36 = 0,68.6,92 = 32,58 mW

· PR15-17 = 0,00141.53,322 = 4 mW=

=) PR15,...,17 = 1,33 mW

· PR18 = 4,052 · 1,5 = 24,5 mK/

- PR19 = 4,052.0,22 = 3,61 mW

· PR20=0,836mW

· PRZ1 = 4,052 . Z = 32,8mW

· PR 22 = 16,4 mW

· PR 23 = 0,33.4,05 = 5,41mW

· PRZ4 = 0,051.4,052 = 0,836 mW

· PR25 = 0,22.21,812 =104,65 mW = PR26 = PR27

· PR28 = 0,15.21,812 = 71,35 mW

· PR29 = PR30 = PR31 = PR32 = PR32 = 0,15. 27,162 = 113,1 mW

· PR34 = 0,01 · 27,462 = 7,54 mW

· PD = UD1 · 1, = 3 · 12,86 = 38,58 mW

· PDZ = UDZ · IDZ = 5,6 · 5,963 = .33,4 mW

· PD3 = UD3 · 103 = 3,2 · 21,81 = 63,8mW

· Pa, = VEC, 1c, = 0,7.2,45 = 1,72 mW

· Paz = VECz · lez = 13,21.2,45 = 32,36 mW

· Pas = VCE3 · 1c1 = 29,95.2,45 = 73,38mW

· Pay= Vcty · 1cz = 17,44.2,45 = 42,73mW

.Pas = VCEs: \$ = 22,34.0,016=9357 mW

· Pag = VCE6-1C6 = 16,36.0,133 = 2,176mW

· Paz = VCE x· 1c7 = 17,06.53,32=909,6mW (transister de jutera)

· Pas = VCE8·108 = 1.47/10 AT = 14.74W