3.3 Icq = 0,634 mA  Vacci = 8,744 V  2E = 1,1 k A  The  The  The  The  The  The  The  Th			
3,4. 3m = 43,28 m = 1/V  The = 2415 AZ  AV = 412,28 m = 1/V  The = 2415 AZ  AV = 412	3,3	Icq = 0,834 mA Uc=Q = 8,744 V RE = 1,1 k-A	9m = hAz 0 0 3 3 3 6
Spc = V* = 2076 - 12 Tog = Tag Tog = 13 Tog = 13 Tog = 13 Tog = 147,28 m <sup>3</sup> /V Tog = 2115 PL Re = 220 P		g~, r₀€+?	
3.4.   gm = 47,28 m = 1/2 The = 2115 52 Ra = 220 52 Av = 312 = 7 Out   Re+Rr   Re+			
3, 4. 3m = 47, 18 m = /v  The = 2,115 52  Re = 240 D2  Av = 42 = 7  Out   Av = 3m = 42,28 m = 17  East = 20,22  Rester		Fac = V* = 10.76 -A-	
The = 2115 52 Re = 820 D2 AV = 312 = 7 ONL PC PR = 120, 812 PC PR = 120, 812 PC PR = 120, 812		Iby F B	
3, 5 3, - 47 28 AN Fee - 1115 5- 20 99 -0	3.4.	The = 2115 12	
5, 5 9m + h7 28 AAIV From - 2015 St 100 - 20, 29 40		Av = 12 = 2 Av = 9m	Park = 120,82
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
RA + 2	3, 8	24 = 820 AL 201 =	
Ful - 30.42 - 20.42 a 6 77 di 6		Pul - Rul - 20, 9 2 12.	0 77 20
316 90 = 47,28 m/4/V  The = 21/5  Ex = 820 PL	3,6	The . 2415	
8in 2   8in - 5, 5 & 12.   Fiz - 8x			THE STATE OF THE S

## STABILIZATOR

	a more actions
tidact	Date. 6y
ZE 1.9 1003	B) => 2 chapter
12= 6,7 V 12=1= 2mA Print = 0.5W 12-5-0-	4.1. Uz-Use - Uz = 0 Uiz = Uz-Use = 6V
150 hic = 450 Upc = 6.7 V	4.2. Province = UoLanes - Uz  Province = Volumes + Uiz  Uz + (1+02) Province = 0
Unimin = ANV	U2 (1+13) 2+mm
4.3 Remax -	Promin = 13-6,7 = 164.82 -2  Vulnin - Uz  Tenin + Uiz  (1+A) Rimin
Pinner -	$\frac{11 - 6.7}{2.10^{3} + \frac{6}{151.210}} = 2002,63 \Omega ??$
4.4. Su =	rz = 4,975.10 2, 2, 1083 En+Pz (P1 + 1k.s.)
4.5. P.12 =	100 + 12 1+KRe
-16e =	U+ Tb = Uz-Ubc /1+13) 12T
	Ib=

Þ21	04.02.2008	2. Skepher
4,	Uiz=NOV	6.0
	Voluming = 15 V	UZ - UBE - VIL = @
	Egmin + 185 -2	UZ = UBE + Uiz = 10.7 V
	R, max = 3200 D	U2 = 8 . 3 V W Umin - 02 U12
	13 a kc = 200 Use = 0.7V Ur = 15mv	(1)   Izum = Remore (1-13) Exm
	R- ≥ 300 A	I win = 2mA
		1 1012 - 02 - 03 = 7.6
4.3		
	Pamar = Uz - I	Tahux = 0.75W
	Uz = 8.3V	I zman - Out may - Uz - 10 12 Remin 1 + 13/2
		Izmax = 0.05A 6 2
4.4.	SU = 0.0025	
	2, 1005L	54 12
	12.2	€e+ ₹ Z.
		Su Ry + Surz - 1 -
		Su Ry = Fiz (1-Su)
		12 = SuRy = 5-12 (1+Su) = 5-12

[4.5]

3.5 
$$q_m = 50.82 \text{ mA/V}$$
  
 $r_{be} = 3542 \text{ mA/V}$   
 $R_{E} = 1,2 \text{ k.s.}$   
 $R_{12} = 7$ 

Red = Re Pul = 13, 26 - 20

ZI		Date:	By:	Page
09.02. 2007	> 2.5m/c	N/A		
Ucc = 15V				
Rg = 500 12	3.4	Tro	1,12 MA	
8 = 180 LIL			7414 314	
RL = 17 40		No. of		
Re = 5,6 kg				
R+ + 4,7 km				
13 = hic = 100	P6	- Ky Kay	23, 42 6 0.	
U+ + 0.7V		RIFE.	THEFT	
Ur = 25mV				
Pa Pa				
Ublo = F2 Ucc =	4, 36 V			
144.62				
1ca = 1 - I82 =>	- 100 -		74. 8 NA	
		45		
IGQ = Vob - Vy  E6+ (1+15) PQ				
F. 4 (14 (3) B)				
1 1 1 2 7 2 7 2				
Isa Ba + Isa (1+ 15) 8	E = Unt	= 0)		
	100-11	- ILAR		
	7			
2€ =			- + 824.95-1	
2= =	(n+ti)		- = 829.35 -	
2= -		Feq		
		Feq		
8. 3, gm = 37, 35 m A/V				
8. 3, gm = 37,35 = A/V		Feq		
8. 3, gm = 37, 35 m A/V		Feq		
5.3 gm = 37,35 mp/V The + 2678 ss. Re = 1,1 k-12		Feq	2. 2+ = 55. Re+R- = -	
8. 3, gm = 37,35 = A/V		Feq	2. 2+ = 55. Re+R- = -	
5.3 gm = 37,35 mp/V The + 2678 ss. Re = 1,1 k-12		Feq	2. 2+ = 55. Re+R- = -	
5.3 gm = 37,35 mp/V The + 2678 ss. Re = 1,1 k-12		Feq	2. 2+ = 55. Re+R- = -	
5.3 gm = 37,35 mp/V The + 2678 ss. Re = 1,1 k-12		Feq	2. 2+ = 55. Re+R- = -	
5. 3 gm = 27,35 m A/V 1/2 + 2672 52 22 = 1/1/2-12		Feq	2. 2+ = 55. Re+R- = -	
5.3 gm = 37,35 mp/V The + 2678 ss. Re = 1,1 k-12		Feq	2. 2+ = 55. Re+R- = -	
\$. 2 gm = 27,35 = A/V.  1 = 2678 52  2 = 1,1 k-12  A = 1		76Q	P. 2+ = 55.	54
8.3 gm = 37,35 mA/V The = 2698 ss. 22 = 1,1 k-12 Ay= ?		76Q	P. 2+ = 55.	54
3.2. In = 1.01 = A  Une = 8.34 V		76Q	2. 2+ = 55. Re+R- = -	54
3.2. Icu = 1.012-A		76Q	D = 2575.	25-12
3.2. In = 1.01 = A  Une = 8.34 V		76Q	P. 2+ = 55.	25-JZ

3.4. 2 = 37.35 m A/V You - 2678-2 126-1,1 k.2 Pul = ?

3.5. 9 = 37,35 mA/V The = 2678-2 PE=1,1 K-2 PZ =? Pul' = The = 26.51 sq Pul = Re Rue' = 25.89 sq Per Rul' = 25.89 sq D

Rin = 5, 6 k-12

Talala II	6.0	Uz - Use - Uh	0		
Uz= 9.7V		02 - ODE - O.			
Izmin = 4mA		1000	124 4	EVI TO	
Panax = 500ml		012 = 02 -1	OBE 1	i W	
130 hre - 150					
UBE = 0.7 V				105	
	(4.12)	Permion 9			
Dulmin = 17			Parries	UZ	
Uvernor = 27 V				(4-19) Rym	ax 1
FT = 470 SL					120
		Ramina =	336 -1	H	
(5.3)	Lemin - U	lz =			
Finner	3 1 1 1		1768		
	Izmin +	012			
	- 17	(S) Rranin			
6.3 21,1	k .SL				
	F				
50 =	P1+12	0.009			
	R1+12				
				A STATE OF THE STA	
			The F	- 285.22	
	1=118-2			0	
2-	- 680 51			102-Uta	
				160 1400)	
	The + ra				
20	2 00 116	= 1.95.0			

