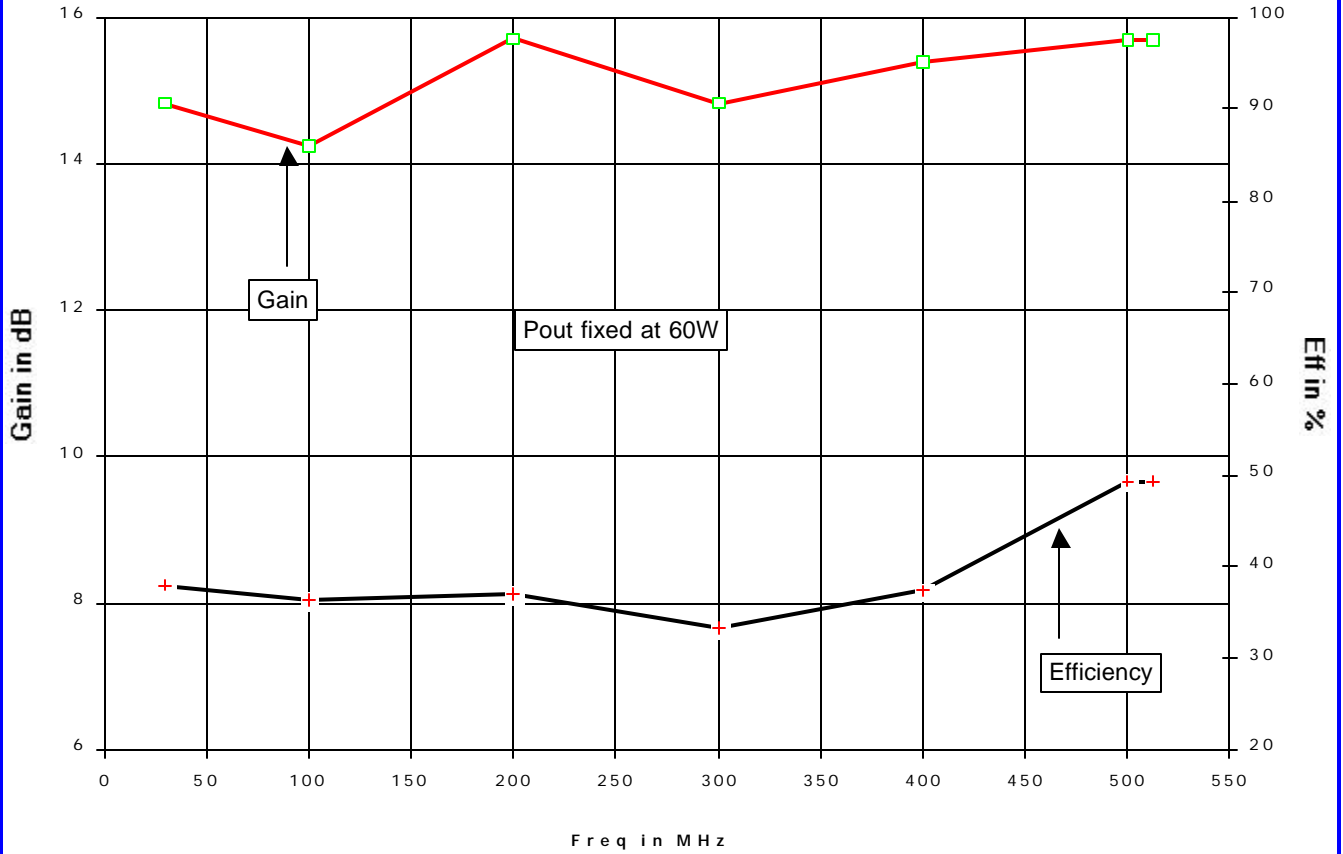
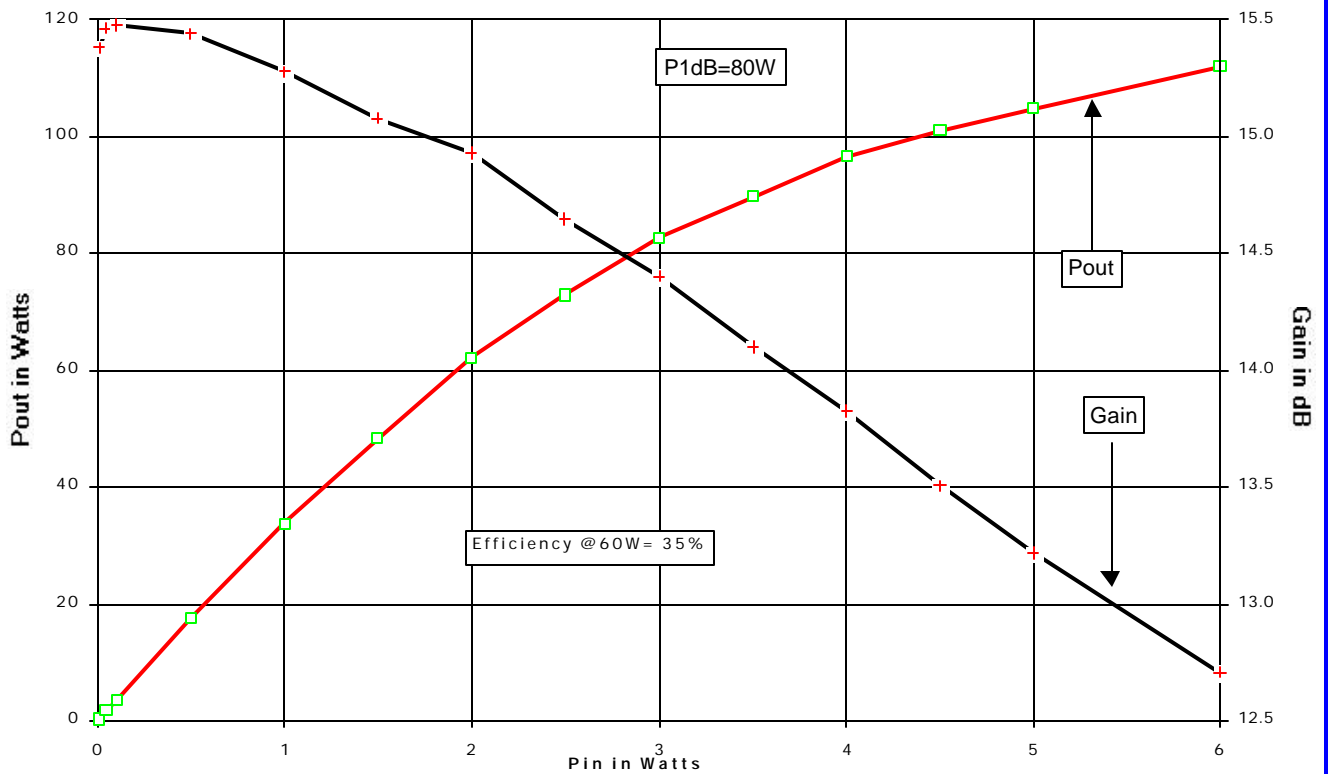


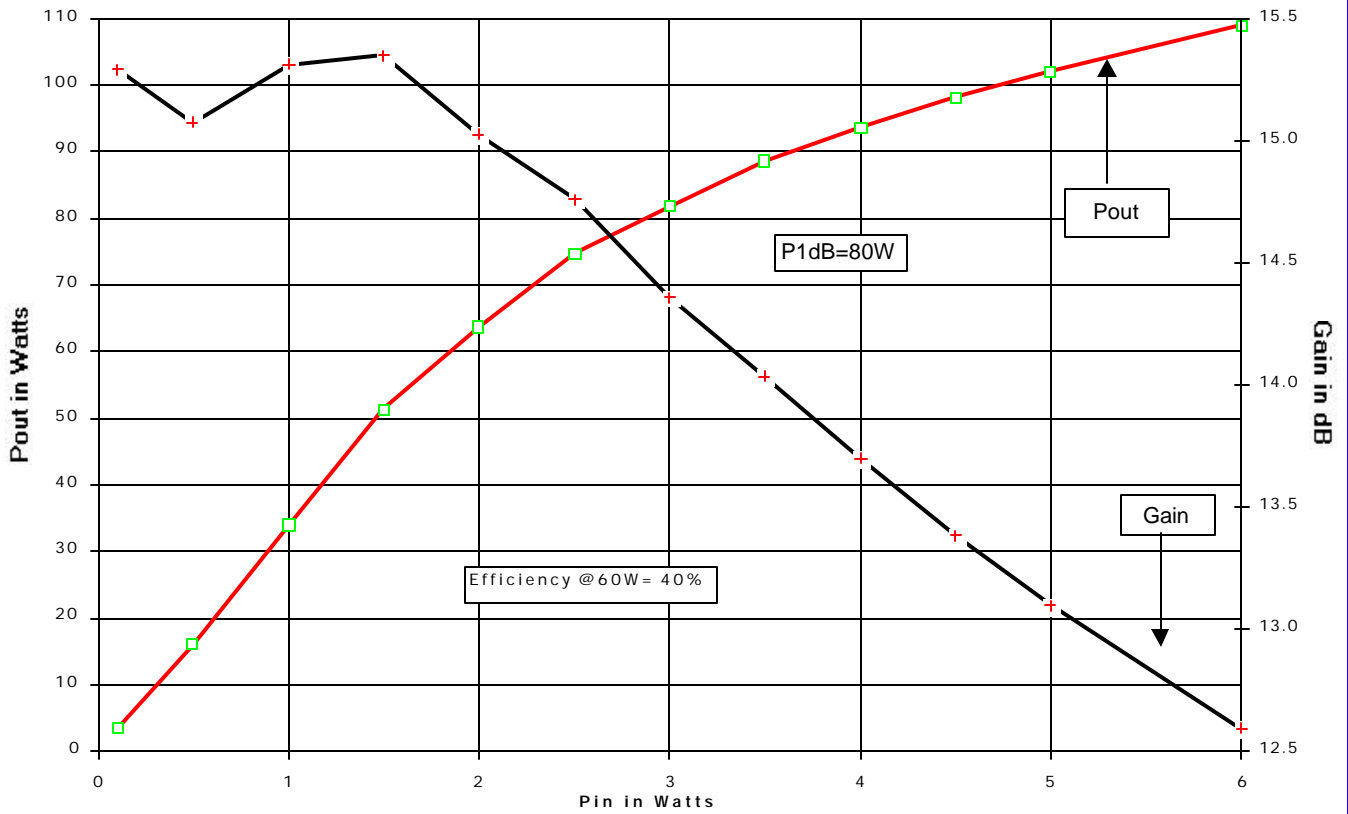
TB-162 LK401 Freq vs Gain/Efficiency; Vds=28Vdc Idq=.8A



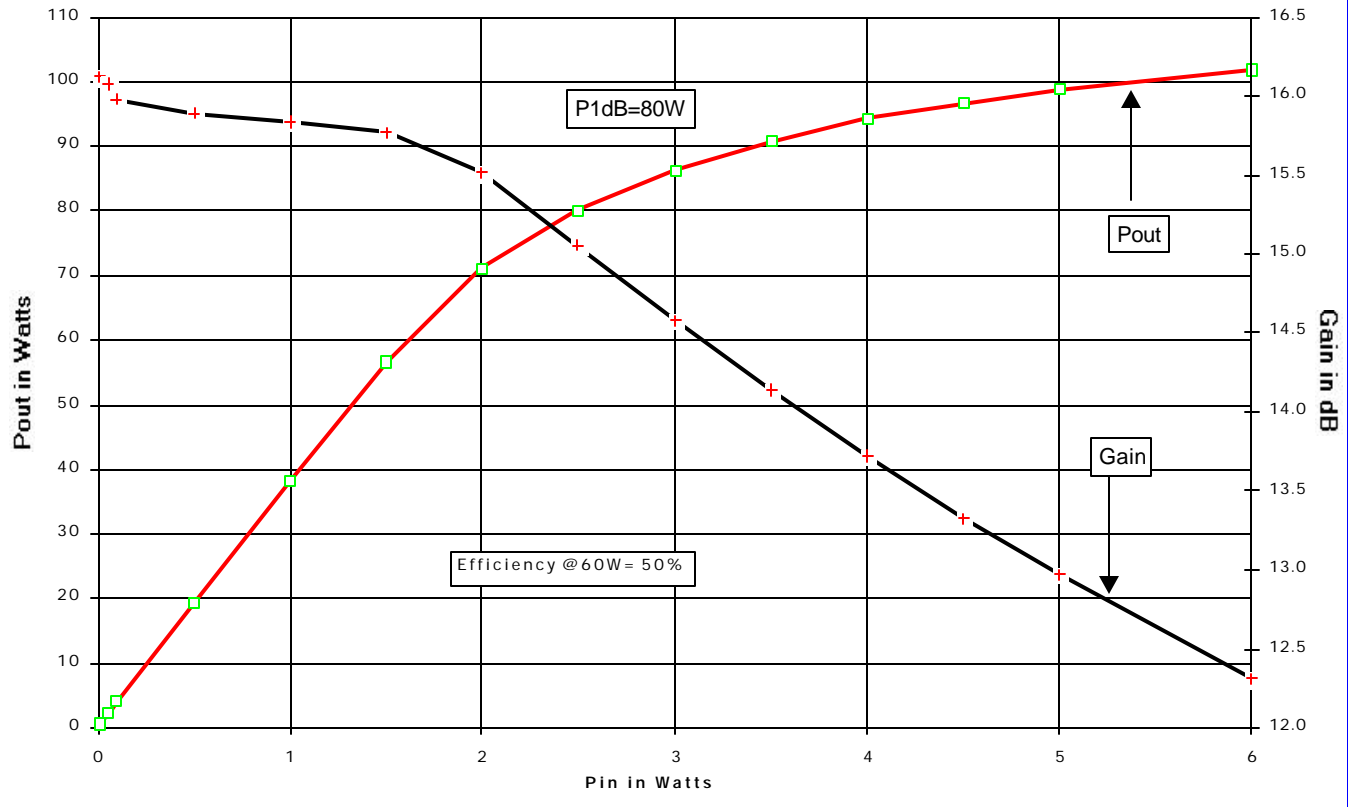
TB-162 LK401 Pin vs Pout Freq=250MHz Vds=28Vdc Idq=800ma

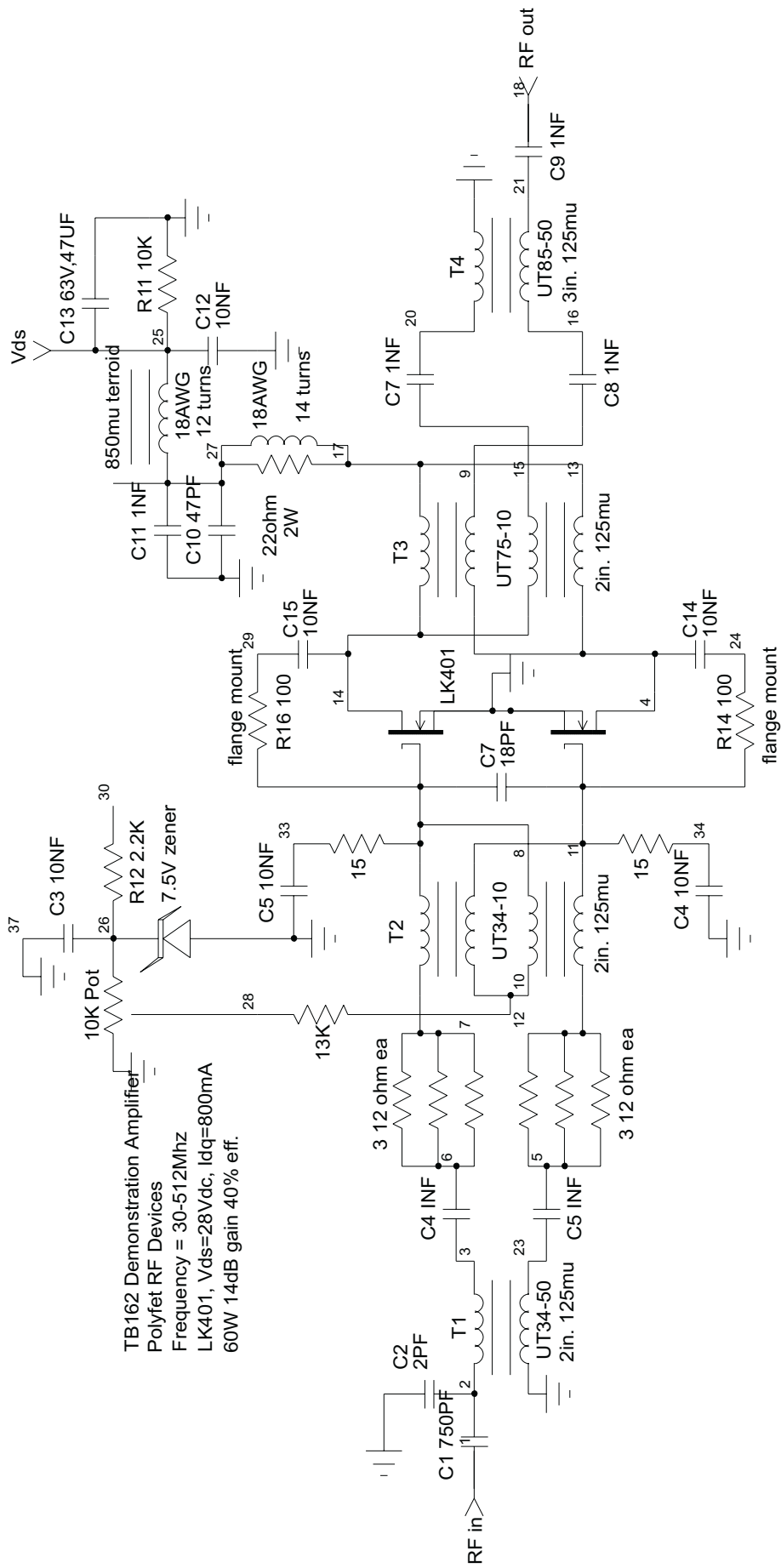


TB-162 LK401 Pin vs Pout Freq=30MHz Vds=28Vdc Idq=800ma



TB-162 LK401 Pin vs Pout Freq=512MHz Vds=28Vdc Idq=800ma

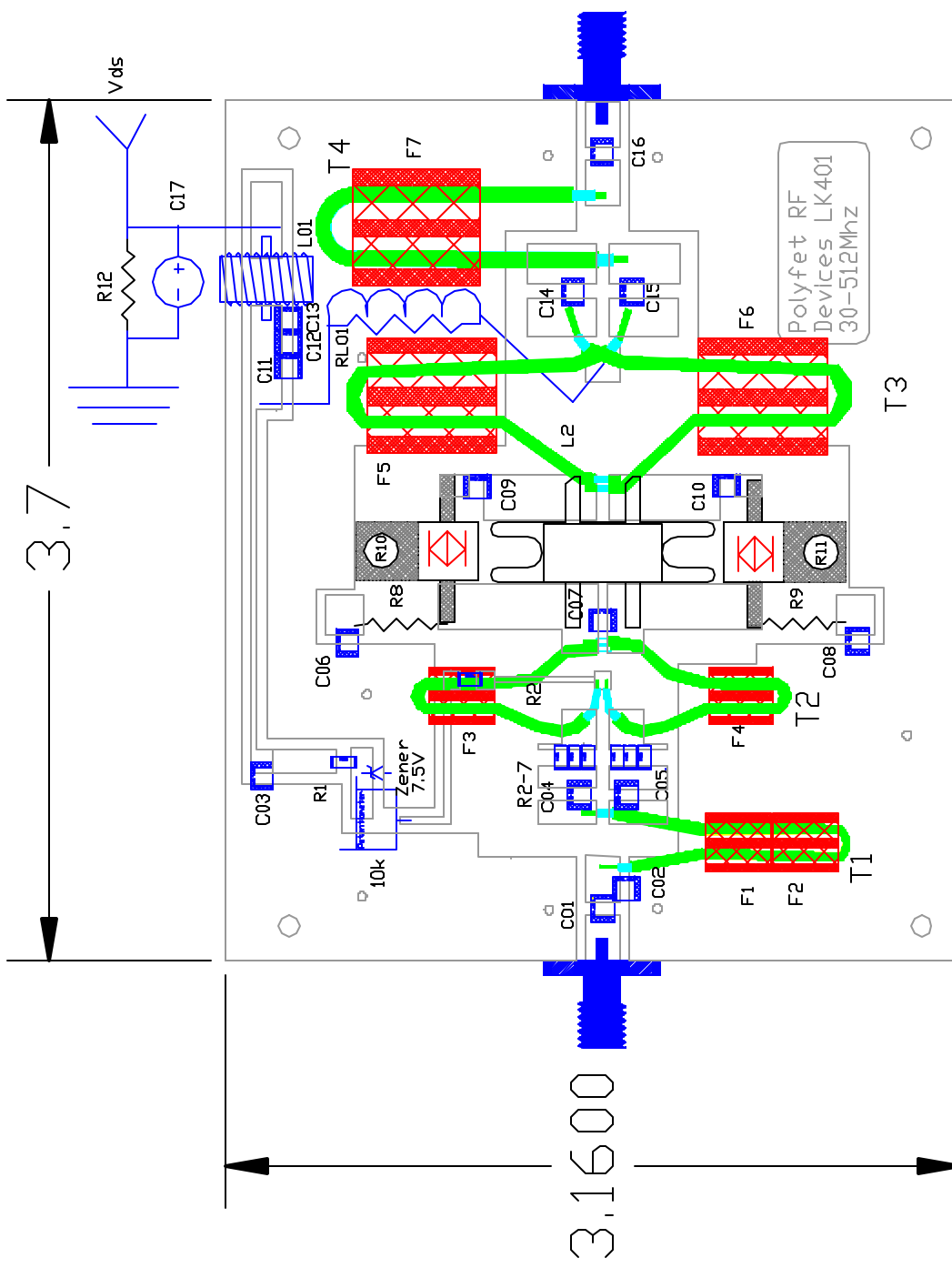




TB162 Demonstration Amplifier
 Polyfet RF Devices
 Frequency = 30-512Mhz
 LK401, Vds=28Vdc, Idq=800mA
 60W 14dB gain 40% eff.

DRN BY	J.Citrololo	3/15/02	Polyfet RF Devices	
CHKD			TB-162 60/80W; 30-512Mhz	
ELECT			SIZE	
MECH			FSCM NO.	
PREC			A	
Q/JAL			LK402	
PGMS			REV	

C01	ATC-100B	750pf
C02	ATC-100B	2pf
C03	ATC-100B	10nf
C04	ATC-100B	18pf
C05	ATC-100B	1nf
C06	ATC-100B	47pf
C07	ATC-100B	10nf
C08	ATC-100B	10nf
C09	ATC-100B	10nf
C10	ATC-100B	10nf
C11	ATC-100B	10nf
C12	ATC-100B	10nf
C13	ATC-100B	10nf
C14	ATC-100B	10nf
C15	ATC-100B	10nf
C16	ATC-100B	10nf
C17	ATC-100B	10nf
R1	1206	2.2kohm
R2-7	1206	120ohm
R08,R09	1/4W	150ohm
R10,R11	10ohm	Ferrite Bead
R12	1/4W	13kohm
RL01	2W	22ohm, 18AVG
L01	18AVG	850mu
F1-2	125mu	Binocular
F3-7	125mu	Binocular
T1	UT34-50	2in.
T2	UT34-10	2in.
T3	UT75-10	2in.
T4	UT85-50	3in.
PCB	FR4	Er=3.55 .064in. thick



T1: UT34-50 2in.
T2: UT34-10 2in.
T3: UT75-10 2in.
T4: UT85-50 3in.

DESIGNED BY	ED C
DATE	2/21/02
ELECT	
MESH	
PRICE	
DUAL	
FBIS	
POLYFET RF DEVICES	
LK401 30-512Mhz prototype, 28V, 0.8A	
SIZE	FSSM NO
A	TB162
REV	
SCALE	pcd 3/1
SHEET 1 OF 1	

F1-F4= AMIDON BN-61-2402 125mu BINOCULAR FERRITE
F5-F7= FERRONICS 12-365-K 125mu BINOCULAR FERRITE
F7 is epoxied to copper thru pck.

