

PCB Material : Double Side Teflon
 $\epsilon_r=2.5$, $H=0.032$, $10z$

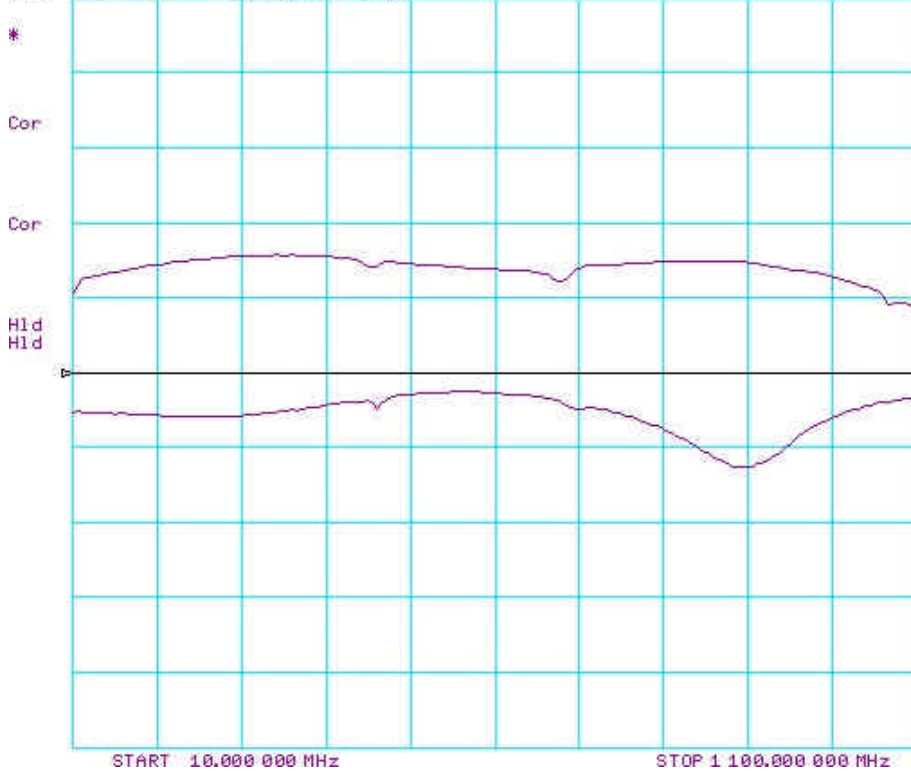
SYMBOL	VALUE	DESCRIPTION
C1,C2	18pF	ATC-100B Chip Cap.
C3	3pF	ATC-100B Chip Cap.
C4	5.6pF	ATC-100B Chip Cap.
C5	9.1pF	ATC-100B Chip Cap.
C6	7.5pF	ATC-100B Chip Cap.
C7	2pF	ATC-100B Chip Cap.
C8	6.2pF	ATC-100B Chip Cap.
C9,C10	30pF	ATC-100B Chip Cap.
C11	1nF	ATC-200B Chip Cap.
C12-C18	10nF	ATC-200B Chip Cap.
C19	47uF	50V electrolytic
C20	0.7pF	ATC-100B Chip Cap.
D1,D2	7.5V	Zener Diode
F1-F3	850mH	Amidon BN-43-2402
F4	850mH	Amidon BN-43-202
J1,J2	50 Ohm	SMA Female
L1	22AVG	10 turns, 850mH
L2,L3	22AVG	20 turns .075in dia
R1, R2	22k Ohm	1206 Resistor
R3,R6,R7	10k Ohm	1206 Resistor
R4,R5	100 Ohm	Axial Resistor 1W
R8,R9	10k Ohm	6mm, multi-turn POT
T1,T2	50 Ohm	UT34-50, L=3"
W1	---	#18AVG Jumper
Vds	28V	Drain Voltage
Idd	800mA	Bias Current

DRN BY: J.Citrolo	2/8/05
CHKD : T.Chang	01/10/06
ELECT :	
MECH :	
PRDC :	
QUAL :	
PQMS :	

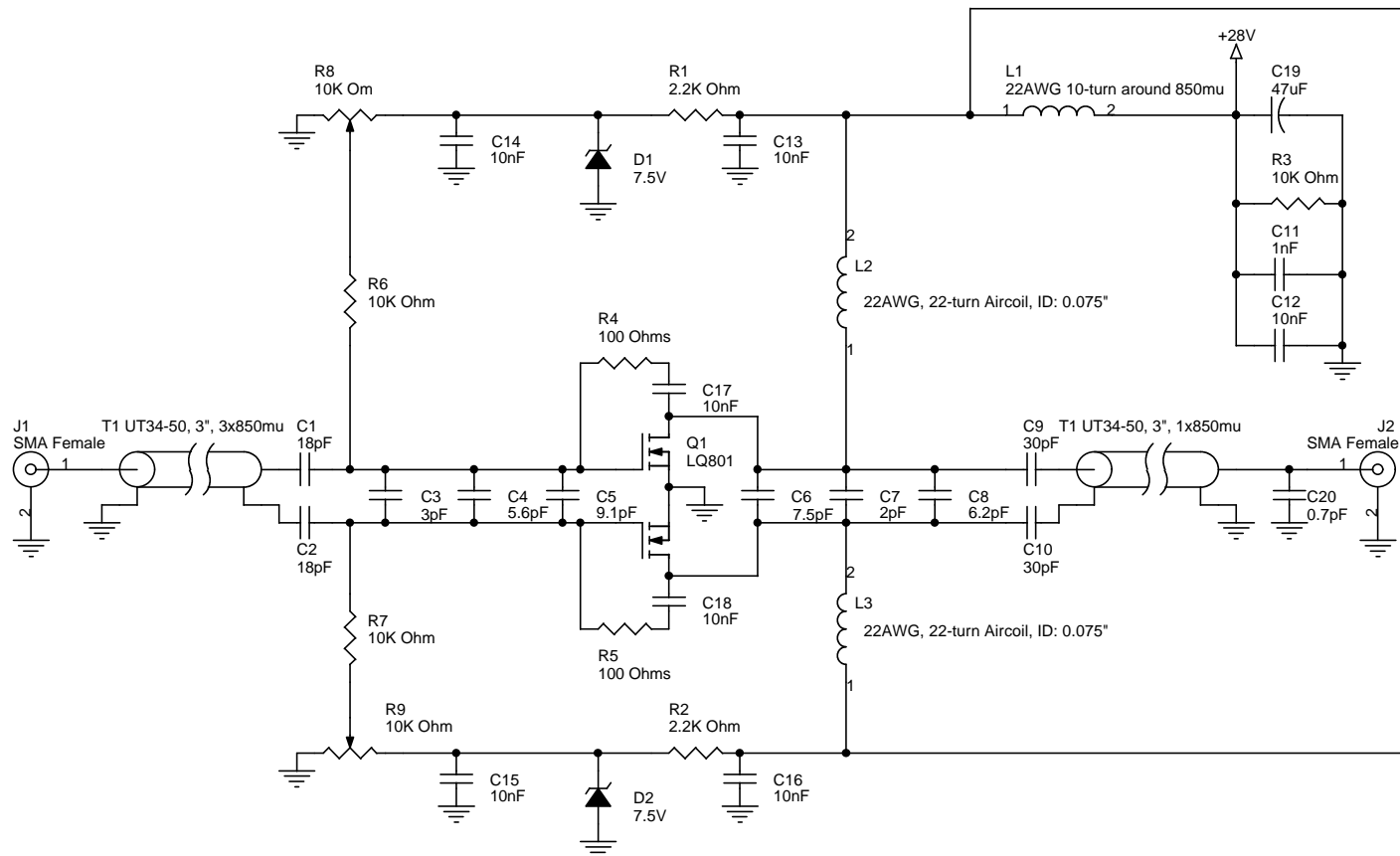
POLYFET RF DEVICES	
30-1000MHz 15WP1dB 11dB gain	
SIZE	FSCM ND
PRDC	TB198 LQ801
QUAL	1
PQMS	
SCALE :	SHEET 1 OF 1

29 Jan 2005 17:28:05

CH1 S11 LOG 10 dB/REF 0 dB
CH2 S21 LOG 10 dB/REF 0 dB



This is a small signal plot of the TB198 with a LQ801 running at 28Vdc and 800ma.



Title		
TB198 30-1000MHz, 15W P1dB, 11dB Gain		
Size	Document Number	Rev
	LQ801 Vds=28V Idq=800mA	0
Date:	Wednesday, January 11, 2006	Sheet 1 of 1