ENJOY









All coils are closed winded, more turns at first and less turns at mid. In figure, Left and right pins positions as on PCB Top side. All coil winding wires is of 36 SWG. Above mentioned all coils are IFT type and 5mm coil former with 10mm squire base and 5 pins and ferrite slug and can

For IFT formers, help may be available from VU2VIT, VU2SDN & VU2PTR.

SHOPPING LIST FOR RM 96 HF TXVER

PART-III

by N.S. Harisankar VU3NSH

BPF & RF Amp

L2, L3 & L4	
100 PF - Styroflex	3 Nos.
4.7 PF or 5PF	1 No.
0.047 F	2 Nos.
0.01 F	3 Nos.
10K ¼W	1 No.
1k8 ¼W	1 No.
3k9 ¼ W	1 No.
4k7 ¼ W	1 No.
220 ¼ W	1 No.
4k7 Pot, Lin	1 No.
BF494	2 Nos.

RX MIX & Filter

L5	
100PF-Styroflex	1 No.
0.047 F	1 No.
0.01 F	2 Nos.
0.001 F	1 No.
47 k ¼ W	1 No.
1 k ¼ W	2 No.
6 k8 ¼ W	1 No.
470 ¼ W	2 Nos.
BEL - SSB Filter 9M	HZ
9 MHZ (BCF 1001)	1 No.
BF494	1 No.

I & II IF Amp

L6, L ⁻	7	
100 P	F-Styroflex	2 Nos.
0.047	F	5 Nos.
0.01	F	1 No.
120	1⁄4 W	2 Nos.
3 k3	1⁄4 W	2 Nos.
1 k2	1⁄4 W	2 Nos.
3k9	1⁄4 W	1 No.
33k	1⁄4 W	1 No.

1k5 ¼ W	1 Nos.
BF494	2 Nos.
1N4148	2 Nos.

Pro. Dect

0.047 F	2 Nos.
0.001 F	1 No.
0.1 F	2 Nos.
0.0047 F	1 No.
10 F 25V	1 No.
1 F 25V	1 No.
22 k ¼ W	1 No.
39 k ¼ W	1 No.
470 ¼ W	1 No.
1 k ¼ W	2 Nos.
220k to180k ¼ W	1 No.
BF 494	1 No.
BC 547	1 No.

AF Amp

33 F 25V	1 No.
100 F 25V	2 Nos.
0.01 F	2 Nos.
0.001 F	1 No.
LM 380 IC	1 No.
8 1W SP	1 No.
10k to 22k Pot.Log	1 No.

AGC

0.01 F	1 No.
1 F 25V	2 Nos.
10 F 25 V	2 Nos.
1 k ¼ W	2 Nos.
2 k2 ¼ W	1 Nos.
2 k7 ¼ W	1 Nos.
22 k ¼ W	1 No.
820 k ¼ W	1 No.
47 k ¼ W	3 Nos.

12 k ¼ W	1 No.
33 k ¼ W	1 No.
47 k / 500k	1+1 Nos.
10 k Preset	1 No.
741 IC	1 No.
1N4148	2 Nos.
2N2222	1 No.
250 A - VU meter	1 No.

BFO / OSC

0.047 F	1 No.
100PF-Styroflex	1 No.
47 PF-Styroflex	1 No.
30 PF Trimmer	2 Nos.
100 PF	1 No.
120 ¼ W	1 No.
10k ¼ W	2 Nos.
4k7 ¼ W	1 No.
1k2 Ω ¼ W	2 Nos.
BF 494	1 No.
1N4148	2 Nos.
LSB/USB Crystal	
BEL-9.0015&8.9985	1+1 Nos.

VFO

L1 & L 14	
100 PF-Styroflex	1 No.
470 PF-Styroflex	2 Nos.
1k PF-Styroflex	2 Nos.
47 PF-Styroflex	1 No.
3k9 PF-Styroflex	1 No.
0.1 F	1 No.
100 F 25 V	1 No.
BC 549	3 Nos.
10V-400mw Zener	1 No.
120 ¼ W	1 No.
120 ¼ W 3k3 ¼ W	1 No. 1 No.

ENJOY

1k2 ¼ W	1 No.	4.7 F 25 V	1 No.	BF 494	1 No.
1k5 ¼ W	1 No.	$\frac{11}{1 \text{ k}}$ $\frac{120 \text{ V}}{1 \text{ W}}$	2 Nos.	2N2222	1 No.
150k ¹ ⁄ ₄ W	1 No.	1 M ¼ W	1 No.		1 110.
390 ¼ W	1 No.	10 k ¼ W	1 No.	RF Driv	
2X - Gang + 25 PF		6 k8 ¼ W	2 Nos.		
or 20 PF Gang		4 k7 ¼ W	1 No.	L ₁₁ & L ₁₂	
		3 k3 ¼ W	1 No.	200 PF - Styroflex	1 No.
BAL. MOI	D	10 k ¹ / ₄ W	1 No.	150 PF - Styroflex	1 No.
		5 k6 ¼ W	2 Nos.	180 PF - Styroflex	1 No.
L8		1 M Preset	1 No.	0.1 F	4 Nos
100 PF - Styrolex	1 No.	741 IC	1 No.	0.01 F	1 No.
47 PF	1 No.	2 Pin con - MIC	1 No.	25 F/22 F-25	V 2 Nos
0.047 F	2 Nos.		1110.	4.7 F - 25 V	1 No.
0.01 F	1No.	TX - MIX & RF P	no Driv	47 ½ W	1 No.
0.001 F	1No.			1 ½ W	1 No.
30PF Trimmer	2 Nos.	L ₉ & L ₁₀		470 ½ W	1 No.
12 k ¼ W	1 No.	168 PF - Styroflex	2 Nos.	10 ¼ W	1 No.
120 ¼ W	1 No.	100 PF	2 Nos.	220 ¼ W	2 Nos
8 k2 ¼ W	1 No.	0.047 F	3 Nos.	47 ¼ W	1 No.
1 k2 ¼ W	1 No.	0.1 F	2 Nos.	1k5 ¼ W	1 No.
1 k ¼ W	1 No.	1 F 25 V	1 No.	2k7 ¼ W	2 Nos
1 k Preset	1 No.	10 F 25 V	1 No.	270 ¼ W	1 No.
1N34 or 1N4148	2 Nos.	47 k ¼ W	1 No.	180 ¼ W	1 No.
		2k7 ¼ W	1 No.	150 ¼ W	1 No.
MIC Amp	•	3k3 ¼ W	1 No.	2N2222	1 No.
0 0 / T - T	4.51	47 k ¼ W	1 No.	2N2218 / 2N3866	1 No.
0.047 F	1 No.	120 ¼ W	1 No.	BD139/C1162	1 No.
0.01 F	2 Nos.	330 ¼ W	1 No.	1N4007	1 No.
10 F 25 V	3 Nos.	180 k to 220 k	1 No.	250 H RFC	2 Nos

Heat sink for 2N2218 & BD 139 1 +1 Nos. RFC - 20T - 28 SWG on FT 37-43 or T-O5 HFA / Balun

Ref circuit & coil Data on Back issue (1) HRN - Jan - Mar 2003, (2) HRN - April-June 2003 For getting technical support use forums in "www.hamradioindia.org".

On air 40m band you can discuss with VU2ETO, VU2GIP, VU2VJY, VU2PTR, VU2HRS, VU2POP, VU2BFO VU2GIP - OM Gopi has made 24 numbers of RM96 transceivers.

For getting 14 MHz (20m band) transceiver kit contact VU2IF. The kit named ATS1 is having a complete assembling manual, circuit and component list. The PCB is epoxy with all components marked. The kit is having all IFTs and coils.

For frequency counter PCBs and PUSH-PULL RF AMP for this projects are available with me.