

## **I.F. Board**

### **Voltage, Resistance & Waveform Chart**

**Assembly 61-S0008-001**



**I.F. Board**  
**ASSEMBLY: 61-S0008-001**

**Voltage, Resistance, and Waveform Chart**

Pin	Resistance		Voltage		Waveform
	Scale	R	Scale	V	
401			16	15	<i>All voltages +- 10%.</i>
402			16	-15	0.0 when in A/T.O. and TUNE
411			16	-15	0.0 when in A/T.O. and SPOT
412			16	-15	0.0 when in A or B and SPOT
415			16	14	
416			16	-14.8	0.0 when in TUNE
417					
418					
419					
420					
427			16	15	
428					
429			16	-15	
430			16		
431			16		-8 when Noise Blanker "OFF" 0 when Noise Blanker "MAX"
432			16	0	-15 when in TUNE
434			16	-15	
437			4		Varies with CLIPPING control Clipping = 0    Voltage ~ -0.5 Clipping = 10    Voltage ~ 1.0
449			16	0	-15 when in TUNE
462					
466			16	-15	0 when in TUNE
<b>Q1</b>					
1			16	10	
2			16	0.4 to 1.2	
3			16	0	



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**signal/one**

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Pin	Resistance		Voltage		Waveform
	Scale	R	Scale	V	
4			16	0.4 to 1.2	<i>All voltages +- 10%</i>
<b>Q2</b>					
1			16	14.5	
2			16	-4.5	0.4 when in A/T.O. and TUNE
3			16	0	
4			16	0.4 to 1.0	1.0 when in A/T.O. and TUNE
<b>Q3</b>					
1			16	14.5	
2			16		0.4 when in Receive Channel A -6 when in Receive Channel B
3			16	0	
4			1.6	0.4 to 1.0	
<b>Q4</b>					
1			16	15	
2			16	-4.5	0 when in A/T.O. and SPOT
3			16	0	
4			16	0	0.4 to 1.0 when using SPOT
<b>Q5</b>					
1			16	15	
2			16	-4.5	0 when in VFO A or B <u>and</u> SPOT
3			16	0	
4			16	0	0.4 to 1.0 when using SPOT
<b>Q6</b>					
1			16	14.5	



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	Scale	R	Scale	V	
2			16	-6	0.4 when in Receive Channel B
3			16	0	
4			16	0	0.4 to 1.0 when in Receive Channel B
<b>Q7</b>					
collector			16	14	
base			16	0	
emitter			1.6	-0.8	
<b>Q8</b>					
1			16	15	14.5 when in TUNE
2			16	-4.5	0.4 when in TUNE
3			16	0	
4			16	0	0.4 to 1.2 when in TUNE
<b>Q9</b>					
1			16	-0.7	
2			16	-13	
3			16	-14	
4			16	-13	
<b>Q10</b>					
1			16	14.5	15 when in TUNE
2			16	0.4	-4.5 when in TUNE
3			16	0	0 when in TUNE
4			1.6	0.4 to 1.0	0 when in TUNE



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	Scale	R	Scale	V	
					<i>All voltages +- 10%</i>
<b>Q11</b>			16	14.5	
1			16	4	
2					
3					
4					
<b>Q12</b>					
collector			16	0	
base			16	-15	
emitter			16	-15	
<b>Q13</b>					
collector			16	0	
base			16	-15	
emitter			16	-15	
<b>Q14</b>					
1			16	14.5	
2			4		Depends on CLIPPING control Clipping =0 ~ -0.5 Clipping =10 ~ 1.0
3			16	-4	0.0 when in TUNE
4			16	0	0.4 to 1.0 in TUNE
<b>Q16</b>					
collector				ground	
base			16	-4.7	
emitter			16	-5.2	



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	Scale	R	Scale	V	
					<i>All voltages +- 10%</i>
<b>Q17</b>					
collector			16	-15	
base			16	-15	
emitter			16		Depends on CLIPPING level









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Pin	Resistance		Voltage			Waveform
	Scale	R	Scale	PTT	Tune	
<b>IC5</b>						<i>All voltages +- 10%</i>
1			16	0	-4	
2			16	0	-8	
3			16	0	-12	
4			16	0	-8	
5			16	0	-4	
6			16	0	0	
7			16	0	0	
8			16	0	-4	