

ECLIPSE VOTING RECEIVER SUMMARY

RECEIVER SPECIFICATIONS

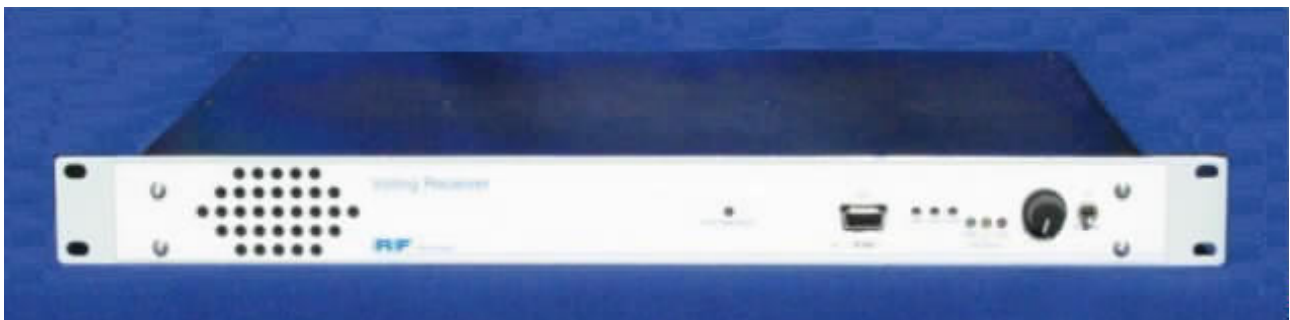
Eclipse Receiver models:	Series 70-150 MHz, 220 MHz, 350-500 MHz and 800 MHz
Frequency spread:	Dependent on model
Frequency stability:	1 ppm standard (TCXO) Temp -30 to +60C
Sensitivity:	0.25 uV (-119 dBm) for 12 dB SINAD, 0.35 uV (-116 dBm) for 20 dB Quieting
Spurious & Image Rejection:	90 dB
Selectivity:	80 dB at 25 kHz spacing per RS-204-C, 70 dB at 12.5 kHz spacing
Intermodulation:	80 dB per RS-204-C
Modulation acceptance:	7.5 and 3.75 kHz
Squelch:	Noise squelch, adjustable from 6 to 26 dB SINAD Carrier squelch, adjustable from 1 to 200 uV
Audio response:	+1 to -3 dB
Audio level:	600 Ohm line adjustable from -10 to +10 dBm Monitor output, 3 watts @ 4 Ohms
Audio Distortion:	Discriminator & subtone output: 1 V peak at 100% system deviation
COS output:	Less than 3 % at 1 kHz, 60% system deviation with 750 uSec de-emphasis Opto-coupled +12V, GND and free Switch connections

STATUS TONE GENERATOR SPECIFICATIONS

Power supply:	5VDC +/-10%
Current consumption:	Less than 20mA
Audio frequency response:	300Hz to 3KHz +/- 0.5dB
Maximum audio input:	5Vp-p
Audio input impedance:	20K ohm
Audio output level:	Adjustable, +3dBm maximum @ 3% distortion, 600 ohm load
Tone output frequency:	1950Hz (optional crystals required for 2175Hz or 2700Hz)
Tone frequency select:	by jumper link
Tone frequency stability:	Less than +/- 100ppm (+/- 0.5 Hz)
Tone output level:	Adjustable, +3dBm maximum @ 3% distortion, 600 ohm load
COS. Input logical level:	"0" 0 to 1.5V, "1" 3.5 to 5V
Temperature:	-30° - +60°C
Board dimensions:	1.82 X 1.90 inch

POWER SUPPLY REQUIREMENT

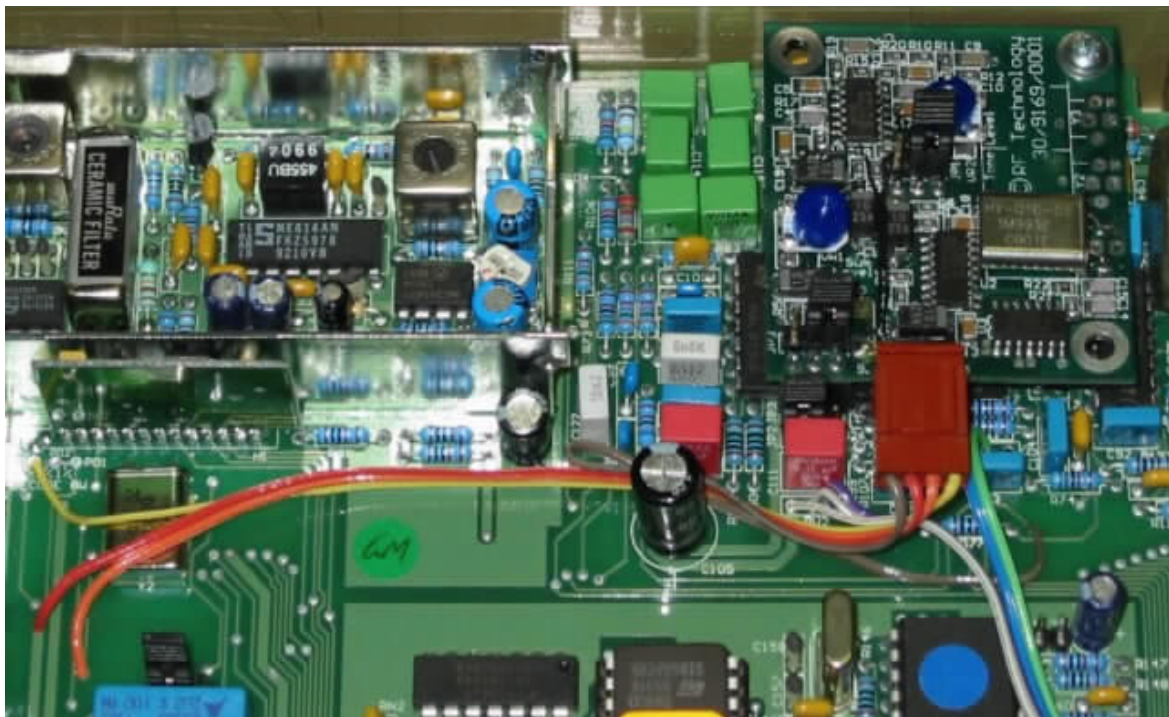
AC Input voltage:	95 - 260 Vac, 50 - 60 Hz
Power supply voltage:	13 Vdc nominal



1U Low Profile cabinet to suit standard 19 inch rack.



Transmitter space for repeater applications



Status Tone Generator installed onto Receiver pcb

*We reserve the right to alter specifications or design without notice.
In any special critical application please consult with the manufacturer.*

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RFI Technology Pty Ltd.

Unit 10, 8 Leighton Place, HORNSBY, NSW 2077 AUSTRALIA
PO Box 328, WAHROONGA, NSW 2076 AUSTRALIA
Telephone: (61-2) 9476 5929
Facsimile: (61-2) 9476 4932
Email: rinfo@rfitechnology.com.au

Available through

