

F(t)

CS-1 General Specifications

All Specifications Indicate Typical CS-1 performance.

Unless otherwise specified, all measurements are done with a 10k||.001mfd load.

Input Impedance...

Mic Input= 3300 ohms

Line Input= 10,000 ohms

Common Mode= Greater than 1 Megohm

Preamp Performance: (35 dB gain setting)...

Input to optional Preamp Output

Gain range 10dB to 54 dB

Max Output = +24 dBu

Input to Main Outputs:

Max Gain: 64 dB (single-ended output), 70 dB (balanced output)

Max Output = +24 dBu (single-ended out), +30 dBu (Balanced out)

Min/Max Input Level for +4 dBu Output with Output Level control @ 2 o'clock position:

Mike input to output = -54 dBu to -8 dBu (single-ended out), -60 dBu to -14 dBu (balanced out)

Line input to output = -31 dBu to +12 dBu (single-ended out), -37 dBu to +6 dBu (balanced out)

Max Line In Level = +32 dBu

Max Mic In Level= +14 dBu

Frequency Response= 1 Hz to 2 MHz (+0, -1 dB) DC Coupled

5 Hz to 2 Mhz (+0, -3 dB) Phantom Power

THD+N= 0.002% (22 Hz - 22 KHz)

EIN (22 Hz - 22Khz, 50 Zsource, 60 dB gain)= -131 dBu

Equalizer...

Boost/Cut Range= 30 dB (-15 dB--0--+15 dB)

Frequency Range= 20 Hz - 200 Hz (Low Freq)

47 Hz - 475 Hz (Mid Freq, normal)

475 Hz - 4.7 KHz (Mid Freq, 10x range)

2.0 KHz - 22 KHz (High Freq)

Q Adjustment Range= 0.5 to 6.0

Response shapes= Peak/Dip on all three sections, Switchable to Shelving on LF and HF sections.

Compressor...

Side Chain Detector Type= RMS

Threshold point= Adjustable

Ratio= Adjustable from 1.1:1 to 12:1, with custom ratio ranges available.

Attack Time= Adjustable from 1 ms to 200 ms

Release Time= Adjustable from 60 ms to over 5 Seconds.

Output Line Driver(s)...

Single-Ended

Max output Level= + 25 dBu (10k load)

+ 24 dBu (600 ohm load)

Signal to Noise Ratio= -103 dBu (22 Hz - 22 KHz)

Frequency Response= 1 Hz to 2 MHz (+0, -1 dB)

Minimum recommended load impedance= 600 ohms

Balanced

Max output Level= + 32 dBu (10k load)

+ 30 dBu (600 ohm load)

Signal to Noise Ratio= -103 dBu (22 Hz - 22 KHz)

Frequency Response= 1 Hz to 2 MHz (+0, -1 dB)

Minimum recommended load impedance= 600 ohms

CS-1 Overall Performance... (preamp gain set at 30 dB)

Signal to Noise Ratio = -90 dBu (22 Hz - 22 KHz)

Frequency Response= 1 Hz to 2 MHz (+0, -1 dB) EQ Switched Out, no Phantom Power

1 Hz to 110 KHz (+0, -3 dB) EQ Switched In, Filters Switched Out