

OUTPUT LEVEL indicates the actual output level in dBu.

The GREEN segments cover the range from -10 to +10 dBu.

The YELLOW segments cover the range from +10 to +20 dBu and the RED segment, +22 dBu and above which is regarded as overload.

REDUCTION is calibrated in dB covering the range 1 to 22 dB, reading backwards.

This meter indicates the amount of actual reduction taking place and therefore is a valuable point of reference indicating the operation point of the 5015.

5015 Specifications

Mic Pre

Frequency Response:

Main Output, no load,

-3 dB @ 18 Hz

-3 dB @ 160 kHz

Noise:

Measured at Main Output, unweighted, 22Hz-22kHz,

Terminated 150 Ohms.

With gain at unity better than -100 dBu

With gain at 66 dB better than -62 dBu

Equivalent Input Noise better than -128 dBu

High Pass Filter:

Continuously variable swept frequency from 20 Hz to 250 Hz.

Slope: 12 dB/Octave

Gain:

Unity to +66dB in 6 dB steps,

Trim continuously adjustable from -6dB to +6dB

Buss Output:

Output is designed to feed a Buss-mix Amplifier (ie. Buss inputs on 5043) at the internal system level of -2.5 dBu.

Maximum Output Level:

Maximum output from 20 Hz to 40 kHz is +24 dBu.

Mute:

Mutes Main Output only.

Phantom Power:

+ 48 Volts DC +/- 1%

Total Harmonic Distortion and Noise:

@ 1kHz, +20 dBu output:

Main Output: Better than 0.002%

@ 20Hz, +20 dBu output:

Main Output: Better than 0.020%

Silk Engaged: Better than 0.2% Second Harmonic

Compressor

Gain Range:

Continuously variable from -6 dB to +20 dB.

Threshold Range:

Continuously variable from -36 dB to +22 dB.

Ratio Range:

Continuously variable from 1.1:1 to "Limit" (40:1).

Attack Range:

Continuously variable from 20mS to 75mS

Release Range:

Continuously variable from 100mS to 2.5 Seconds.

FF/FB:

Feed-Forward or Feed-Back VCA control.

LINK:

Multiple 5015's may be daisy-chained via the rear panel jacks. When an individual channel is engaged, its control voltage appears at the rear panel LINK jack.

Maximum Output Level:

Balanced and Floating Transformer Output +25 dBu.

Total Harmonic Distortion and Noise:

@ 2kHz, +20 dBu output level, no load.

Main Output, compressor bypassed: Better than 0.001%

Main Output, compressor engaged: Better than 0.06%

Noise: Mostly 2nd Harmonic

Measured at Main Output, un-weighted, 22Hz-22kHz, terminated 40 Ohms.

With Gain at Unity, Compressor disengaged Better than -103 dBu

With Gain at Unity, Compressor engaged: Better than -92 dBu

Frequency Response:

Main Output, Unity Gain @ 18 Hz -3 dB

@ 150 kHz -3 dB

5015 Power:

Voltage Range 9 to 18 Volts DC, 12 Watts

Connector: 5.5mm X 2.5mm DC jack, Center Positive

Current consumption: @ 9VDC = 1.0 A typical

@12VDC = 730 mA typical

@15VDC= 570 mA typical

@18VDC= 480 mA typical