

AVALON DESIGN

PURE CLASS A MUSIC RECORDING SYSTEMS



SONIC EXCELLENCE

The Avalon AD2055 Pure Class A music equalizer is the most powerful, low noise parametric equalizer available today. Designed to optimize absolute signal integrity and musical performance, the AD2055 combines the best of active and passive filter topologies with sonic excellence unequaled by lesser designs. The AD2055 is the perfect solution for two buss music-program equalization, special instrument EQ and FX applications and ultra high performance mastering studios. Features include state-of-the-art, balanced 100% discrete, Pure Class A signal amplifiers, practical user features and rugged hardware designed to deliver true high performance audio for many years.

PASSIVE-ACTIVE FILTER DESIGN

Avalon equalizers feature the unique combination of both active and passive filter EQ designs. This special combination enables the AD2055 to deliver high speed transient detail at the operational extremes of real-world equalization demands. The passive high and low bands offer alternate musical tone range to the full function active parametric mid bands. Passive equalizers have long been a favorite with music lovers around the world..full bodied, powerful (up to +/-32dB, 64dB range !) and sweet frequency selections are the benefits of the passive high-low EQ bands. The full bandwidth twin mid bands provide variable frequency selection (X10 frequency multipliers for very wide range), variable Q (width) and amplitude control.

MINIMUM SIGNAL PATH DESIGN

Avalon's advanced true symmetry design offers high-voltage, large headroom, extended bandwidth and very low noise. The use of 100% discrete, Pure Class A signal amplifiers give the serious music professional unlimited sonic character and a natural harmonic detail that enhances the program material and becomes one with the music itself. The Avalon AD2055 breathes life!

AD2055

CLASS A EQUALIZER

AD2055 FEATURES

- Smooth musical detail and sonic excellence
- Minimum audio signal path
- Pure Class A, 100% discrete design
- Dual mono operation
- Transparent active and passive filter design
- Very low noise -94dB
- High headroom +30dB
- Fully balanced inputs and outputs
- DC coupled, no transformers in audio path
- Switched frequencies in high and low bands
- Mid bands use X10 frequency for extended range
- Wide bandwidth -3dB 1Hz to 450kHz
- Low distortion less than 0.5% THD and IMD
- Conductive plastic potentiometers for low noise
- All signal routing with sealed silver relays
- 100% discrete power supplies for audio path
- External 150W toroidal power supply
- Long lasting, stainless steel hardware



Pure Class A music recording systems since 1985.



AD2055 SPECIFICATIONS

Circuit topology	High-voltage 100% discrete, balanced and symmetrical Class A
Output gain range	Unity gain
Maximum input level	+30dB balanced XLR pin 2 hot
Maximum output level	+32dB balanced 600 ohms, DC coupled, high-current discrete Class A
Input-Output type	XLR type, pin 2 hot balanced
Noise 20kHz unweighted	-94dB (EQ in)
Distortion THD, IMD	0.5% (typical 0.05% at +6dB 1kHz)
Frequency response -3dB	1Hz to 450kHz (input band limited)
Equalizer type	Passive high and low bands plus two fully parametric mid bands
Bypass	Hard-wire relay bypass for equalizer in-out
Low band F1	Passive, amplitude to -32dB to +32dB shelf or peak-dip curve
F1 frequency range	Switched 10 position 18Hz, 25, 30, 50, 72, 100, 150, 215, 300, 450Hz
Mid band F2	Active, amplitude to -16dB to +16dB peak-dip curve
F2 frequency range	Variable 35Hz to 450Hz (x10) 350Hz to 4k5Hz, Q (width) 0.3 to 3.0
Mid band F3	Active, amplitude to -16dB to +16dB peak-dip curve
F3 frequency range	Variable 160Hz to 2k0Hz (x10) 1k6Hz to 20kHz, Q (width) 0.3 to 3.0
High band F4	Passive, amplitude to -26dB to +26dB shelf or peak-dip curve
F4 frequency range	Switched 10 position 1k5Hz, 2k5, 3k5, 5k, 7k2, 10k, 12k5, 15k, 20k, 25kHz
AC-DC power (B2T power supply included)	External AC supply, 150w toroidal transformer, 4 pin cable 90v isolated, 100-240v selectable 50/60Hz, 150w max
Dimensions	19 x 3.5 x 12 in (482 x 88 x 305mm)
Shipping weight	30lbs (13.6 kg)



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Avalon reserves the right to incorporate changes in design and in the specifications of this product without prior notice.