SH PQX-571 / PQX-572 Parametric Equalizers

TECHNICAL NOTES & SPECIFICATIONS





ARCHITECTS SPECIFICATIONS

POX-571

The unit shall be a single channel parametric equalizer, capable of being center-frequency-tunable from 20Hz to 20KHz. The unit shall have a single channel of 5 bands of equaliza-tion. Each band shall have a bandwidth adjustable between 3 1/3 octave and 1/20 octave. The frequency response shall be 20Hz-20KHz +/-0.2dB. The distortion shall not exceed .03% THD at +4dBu, 20Hz-20KHz. Hum and noise shall be below -90dBu with the EQ engaged and -108dBu with the EQ out. The unit shall offer a per band amplitude adjustment of +/-15dB as well as a master gain adjustment of +/-15dB. The unit shall also include low frequency and high frequency shelving covering the range of 40-400Hz and 1.6KHz to 16KHz respectively. The range of shelving frequency shall be +/-15dB. The input impedance shall be 20K ohm active bal-anced bridging, and the output impedance shall be 200 ohm, quasi-balanced. The maximum in/out level shall be +22dBu or +7dBu at maximum boost, 1/3 octave or greater. The unit shall be designed for mounting in a standard EIA 19" rack (19"L x 1.75"H x 6"D) and shall have a shipping weight of 8lbs. The unit shall operate from 94VAC - 125 VAC, 50-60Hz. The unit shall be a model PQX-571 single channel Parametric Equalizer manufactured by Ashly Audio Inc. No other unit shall be acceptable unless data submitted from an independent test laboratory verifies that the above combined size/performance specs are met. THD at +4dBu, 20Hz-20KHz. Hum and noise shall be below

combined size/performance specs are met.

PQX-572

The unit shall be a dual channel parametric equalizer, capable of being center-frequency-tunable from 20Hz to 20KHz. The unit shall have two channels of 5 bands of equalization. Each band shall have a bandwidth adjustable between 3 1/3 octave and 1/20 octave. The frequency response shall be 20Hz-20KHz, +/-0.2dB. The distortion shall not exceed .03% THD at +4dBu, 20Hz-20KHz. Hum and noise shall be below -90dBu with the EQ engaged and -108dBu with the EQ out. The unit shall offer a per band amplitude adjustment of +/-15dB as well as a master gain adjustment of +/-15dB. The unit shall also include low frequency and high frequency shelving covering the range of 40-400Hz and 1.6KHz to 16KHz respectively. The range of shelving frequency shall be +/-15dB. The input impedance shall be 20K ohm active bal-

anced bridging, and the output impedance shall be 200 ohm, quasi-balanced. The maximum in/out level shall be +22dBu or +7dBu at maximum boost, 1/3 octave or greater. The unit shall be designed for mounting in a standard EIA 19" rack (19"L x 3.5"H x 6"D) and shall have a shipping weight of 10lbs. The unit shall operate from 94VAC - 125 VAC, 50-60Hz. The unit shall be a model PQX-572 dual channel Parametric Equalizer manufactured by Asbly Audio. channel Parametric Equalizer manufactured by Ashly Audio Inc. No other unit shall be acceptable unless data submitted from an independent test laboratory verifies that the above combined size/performance specs are met.

Features:

- 5 Fully Parametric Bands
- Parametric Filters Tunable from 20Hz - 20KHz
- Tunable Low and High Frequency **Shelving Filters**
- 5 Year Worry-Free Warranty
- Very Low Hum and Noise Design
- Adjustable Bandwidth from 3 1/3 to 1/20 of an Octave
- True Reciprocal Curves
- Master and Individual Band In/Out **Bypass Switching**
- XLR, 1/4", and Barrier Strip Inputs

General Specifications PQX-Series:		
INPUT	<u>PQX-571</u>	PQX-572
Type:	Active Balanced	Active Balanced
Impedance:	20k ohm (10K ohm unbalanced)	20k ohm (10K ohm unbalanced)
Max. Level:	+23dBu (+7dBu at max boost, 1/3 octave or greater)	+23dBu (+7dBu at max boost, 1/3 octave or greater)
OUTPUT		
Туре:	Balanced	Balanced
Min. Load Impedance:	200 ohm (terminate with 600 ohm or greater)	200 ohm (terminate with 600 ohm or greater)
Max. Level:	+22dBu	+22dBu
Frequency Response:	±.2dB 20Hz-20kHz	±.2dB 20Hz-20kHz
THD (20Hz-20kHz):	<.03% @ +4dBu, 20 Hz-20KHz	<.03% @ +4dBu, 20 Hz-20KHz
Output Noise	-93dBu (EQ in, Peaking Filters in)	-93dBu (EQ in, Peaking Filters in)
(20Hz-20kHz):	-90dBu (EQ, Peaking Filters and Shelving Filters in)	-90dBu (EQ, Peaking Filters and Shelving Filters in)
FILTERS	State Variable with separate summing amplifiers	State Variable with separate summing amplifiers
Parametric Type:	1 x 5	2 x 5
Number:	3 1/3 Octave to 1/20 Octave	3 1/3 Octave to 1/20 Octave
Bandwidth:	+/- 15dB	+/- 15dB
Amplitude	20Hz-20KHz	20Hz-20KHz
Range:	Low, High	Low, High
Shelving Type	40-400Hz	40-400Hz
Low Range	1.6KHz-16KHz	1.6KHz-16KHz
High Range	+/-15dB	+/-15dB
Shelving Range		
	120VAC, 50-60Hz, 9W	120VAC, 50-60Hz, 15W
Power Requirements:	8 lbs	10 lbs
Shipping Weight:	19"L x 1.75"H x 6"D	19"L x3.5"H x 6"D
Dimensions:	XLR, 1/4", and Barrier Strip	XLR, 1/4", and Barrier Strip
I/O Connectors:		
CONTROLS		
Master Gain	+/- 15dB	+/- 15dB
Master Defeat Switch	Yes	Yes
Per Band Amplitude	+/- 15dB	+/- 15dB
Per Band Defeat Switch	Yes	Yes

Rear Panel PQX-571



Rear Panel PQX-572



Applications:

Churches, Studios, Concerts, Dance/Night Clubs, PA Systems, Auditoriums, Lecture Halls, Sports Stadiums, Outdoor Festivals

Ashly manufactures a complete and comprehensive line of Graphic and Parametric Equalizers, Electronic Crossovers, Power Amplifiers, Compressor-Limiters, Mixers, and Amplifier Input Options. Please call, write or visit our web site for information on any of these Ashly Products.

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