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AMERICAN NATIONAL STANDARD

**SPECIFICATION FOR OCTAVE-BAND  
AND FRACTIONAL-OCTAVE-BAND  
ANALOG AND DIGITAL FILTERS**

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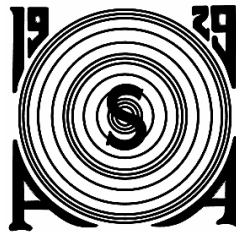
Accredited Standards Committee S1, Acoustics

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Standards Secretariat  
Acoustical Society of America  
35 Pinelawn Road, Suite 114E  
Melville, NY 11747-3177

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AMERICAN NATIONAL STANDARD

**Specification for Octave-Band and  
Fractional-Octave-Band Analog and Digital Filters**

Secretariat

**Acoustical Society of America**

Approved 19 February 2004

**American National Standards Institute, Inc.**

**Abstract**

This standard provides performance requirements for analog, sampled-data, and digital implementations of bandpass filters that comprise a filter set or spectrum analyzer for acoustical measurements. It supersedes ANSI S1.11-1986 (R1998) *American National Standard Specification for Octave-Band and Fractional-Octave-Band Analog and Digital Filters*, and is a counterpart to International Standard IEC 61260:1995 *Electroacoustics – Octave-Band and Fractional-Octave-Band Filters*. Significant changes from ANSI S1.11-1986 have been adopted in order to conform to most of the specifications of IEC 61260:1995. This standard differs from IEC 61260:1995 in three ways: (1) the test methods of IEC 61260 clauses 5 is moved to an informative annex, (2) the term “band number,” not present in IEC 61260, is used as in ANSI S1.11-1986, (3) references to American National Standards are incorporated, and (4) minor editorial and style differences are incorporated.

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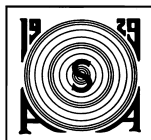
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