



Lubell LL9162T

Underwater Acoustic Projector Underwater Acoustic Transducer Underwater Speaker

High-Power Broadband Piezoelectric Underwater
Transducer for Military and Scientific Applications

SPECIFICATIONS

- **Frequency Range:** 250Hz - 20kHz
- **SPL:** 184dB/uPa/m @ 900Hz, 194dB/uPa/m @ 10.6kHz (see [plot](#))
- **Nominal Voltage:** 50 Vrms
- **Max Current:** 5A @ 100% D.C.
- **Impedance:** 10 ohms minimum (see impedance [plot](#) or tabular [data](#))
- **Operating Depth:** 6' min / 50' max
- **Dimensions:** 10.75"H x 10.75"W x 8.75"D, 16 lbs (w/o cable)
- **Bulkhead Connector:** Impulse IERD2F-BC-3: pin 2 hot, 1 return
- **Cable:** Impulse IE2M-7/16 on 75' 18/2 SJOW, white=hot, blk=return
- **Resistor:** 18-136-7.5RLTC-1%
- **Warranty:** 2 year limited
- **Options:** Navy calibration (+\$1500); Swaglok SS-400-1-OR pressure fitting (\$75); Custom cable (call); [150HP](#) filter (\$20); [IPA300T](#) amp (\$589)
- **PRICE:** \$1779

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[Printable brochure \(41.7 KB pdf\)](#)

[Complete manual with data \(1.99 MB pdf\)](#)

The Lubell LL9162T Underwater Acoustic Transducer is designed for general purpose military and scientific applications. The LL-9162T may also be used as an underwater loudspeaker (underwater speaker) when high power is required.

The LL-9162T has a useful frequency range of 240Hz-20kHz, a minimum impedance of 10 ohms, and an SPL of 184dB/uPa/m @ 900Hz and 194dB/uPa/m @ 10.6kHz with 50 Vrms applied. The LL-9162T must be used with included series resistor, and a 5A fuse per instructions, and is connected to the 8 ohm transformer isolated tap of the IPA300T amplifier (not included). If reproducing broadband, frequencies below 250Hz must be rolled off using 150HP high-pass filter (not included).

The LL9162T withstands extreme conditions by virtue of its rugged PVC and stainless steel construction. The LL9162T includes an underwater pluggable cable that can be field replaced by the operator. The LL9162T operates at depths between 6' to 50', and may be ordered with optional pressure fitting for external bladder compensation.

