



UHT / UKT Series

UL Listed Single & Dual Voice Coil Loudspeaker Packages



**UHT25C-U51-8
(Back)**

Features

- UL Listed, Fire-Retardant and Moisture-Resistant Cone Loudspeakers Reproduce Emergency Alarm and Voice Instructions with Superior Intelligibility and Extended Frequency Response
- Attractive Ceiling-Loudspeaker/Baffle Assemblies Provide Unobtrusive Appearance of Life Safety and Emergency Signaling Loudspeakers
- Selection of Baffle Styles and Multi-Tapped Transformers Meet a Variety of Aesthetic and Application Requirements
- Listed Under UL Standard 1480 (Speakers for Fire-Protective Signaling Systems)
- Selection of UL Approved, Companion Enclosures is Offered

Applications

Install attractive UL Listed UHT and UKT ceiling loudspeaker/baffle/transformer packages for dependable voice and alarm transmission in emergency audio evacuation systems. Cone loudspeaker assemblies deliver superior intelligibility for application in multi-occupancy and expanded space areas including high-rise residences, public buildings, health care and educational facilities, offices, banks, shopping areas, motels/hotels, distribution centers, and transportation terminals. Applied properly, single and dual voice coil models meet life safety code requirements per N.F.P.A. Standard 72 for supervised loudspeakers in fire-protective signaling and communication systems.

General Description

Atlas Sound's UHT and UKT Series are 8" diameter single and dual voice coil loudspeakers equipped with dual (whizzer) cone and 10 oz. ceramic magnet to deliver extended frequency response with high intelligibility and minimal distortion. Cost-effective units are complete with fire-retardant moisture-resistant cones, factory-mounted transformer, 8" color-coded leads, and a wide selection of architecturally pleasing baffles. UHT Series loudspeakers have a 1" dia. voice coil, choice of 70.7 or 25V transformer, and DC blocking capacitor for line supervision applications. UKT Series loudspeakers are equipped with dual 1" diameter voice coils, two transformers (specify 70.7V or 25V), and a DC blocking capacitor. To comply with UL requirements, loudspeaker packages must be used with UL-approved enclosures (refer to back page for baffle/enclosure information and to SL6-1424 "Enclosures for UL Listed Loudspeakers").

UHT Series Specifications

Size	8" (203mm)
Magnet Weight	10oz (260g)
Frequency Response	85Hz – 8kHz (±5dB)
Power Rating (RMS)	10 Watts
Impedance	8Ω
Flux Density	10,600 Gauss
Sensitivity	97dB Peak, 94dB Avg.
Voice Coil Diameter	1" (25mm)
Depth	2 7/8" (73mm)

UKT Series Specifications

Size	8" (203mm)
Magnet Weight	10oz (260g)
Frequency Response	60Hz – 8kHz (±5dB)
Power Rating (RMS)	10 Watts
Impedance	8Ω (Each Coil)
Flux Density	10,600 Gauss
Sensitivity	94dB Peak, 91dB Avg.
Voice Coil Diameter	1" (25mm)
Depth	2 7/8" (73mm)

Note: UL ratings measured per UL Standard 1480 at 1 Watt, 10 feet (3dB increment rating): UHT = 81dB.



UHT70C-U161-8

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Transformer Specifications

Primary Taps	½, 1, 2, & 5 Watts
Secondary	8Ω
Insertion Loss	1.5dB
Core Size	½" x 5/8" (13mm x 16mm)
DC Blocking Capacitor	10mfd @ 50V (25V Transformer) 4mfd @ 150V (70.7V Transformer)

Loudspeaker / Transformer / Baffle / Enclosure Information

Model	VC Type	Baffle Type	Baffle Color	Transformer Voltage	Mounts Enclosure (Sold Separately)
UHT25C-U161-8	Single	161-8	White	25V	198-8, SE175-4
UHT25C-U51-8	Single	51-8	White	25V	95-8, 96-8
UHT70C-U161-8	Single	161-8	White	70.7V	198-8, SE175-4
UHT70C-U51-8	Single	51-8	White	70.7V	95-8, 96-8
UKT25-2C-U161-8	Dual	161-8	White	25V	198-8, SE175-4
UKT25-2C-U51-8	Dual	51-8	White	25V	95-8, 96-8
UKT70-2C-U161-8	Dual	161-8	White	70.7V	198-8, SE175-4
UKT70-2C-U51-8	Dual	51-8	White	70.7V	95-8, 96-8



U51-8
Standard Round Grille



U161-8
Standard Square Grille

Architect & Engineer Specifications

UL Listed 8" diameter fire-protective signaling loudspeaker shall be Atlas Sound single voice coil Model _____ (UHT Series) or dual voice coil Model _____ (UKT Series) for supervised service. UHT Series loudspeaker shall consist of a molded fire-retardant/moisture-resistant cone, whizzer cone, and 10oz ceramic magnet. It shall have a single 1" diameter voice coil and shall be equipped with a _____ (70.7V or 25V) transformer, and a DC blocking capacitor for line supervision applications. Dual voice coil Series UKT shall provide for line supervision with dual 1" diameter voice coils, two transformers, and a DC blocking capacitor. Loudspeaker shall be pre-assembled to Atlas Sound, baffle Model _____ (161-8 or 51-8). Loudspeaker/baffle assembly shall mount to Atlas Sound UL approved companion enclosure Model _____.