



H A Harman International Company

SOLIDTUBE

Tube Condenser Microphone

Description

The AKG Model Solidtube is a large diaphragm condenser microphone that benefits from the combination of modern solid-state technology and vacuum tube driven circuitry. The microphone, released in 1997, AKG's Jubilee year, provides the characteristic warmth and generous margin of overload expected from classic tube powered designs. Solid state electronics within the N-Solid power supply ensure quiet and reliable operation.

The Solidtube has a large double screened housing that reacts minimally with the capsule and provides shielding from RF interference. Frequency response remains relatively flat within the range of ± 2 dB. The mid-range cut at approximately 2 kHz and presence rise above 10 kHz are signature characteristics of AKG large diaphragm condenser mics dating back to the classic C 12. They provide depth and clarity to any recording. Mid-band pattern rejection at 180° is in excess of 20 dB.

The microphone is response tailored for solo vocal and instrumental pickup in the studio, and as such, has only a dedicated cardioid pattern. The Solidtube is shipped with all necessary cabling, an isolation shock mount, windscreens and a custom aluminum flight case.

Specifications

SOLIDTUBE Microphone:

Transducer type:	1 in. (25 mm) diaphragm pressure gradient
Diaphragm material:	Gold-sputtered mylar foil
Tube type:	ECC 83 (12AX7)
Frequency response:	20 Hz - 20 kHz
Polar pattern:	Cardioid
Impedance:	200 ohms $\pm 25\%$
Recommended load impedance:	greater than 600 ohms
Sensitivity at 1 kHz:	20 mV/Pa; -34 dB (dB re 1 V)
Equivalent noise level (A-weighted):	20 dB-A (DIN 45412)
Sound pressure level for 3% THD:	130 dB (145 dB SPL with -20 dB pre-attenuation)
Dynamic Range:	110 dB
S/N ratio re 1 Pa (A-weighted):	74 dB
Pre-attenuation switch:	-20 dB
Low frequency roll-off:	12 dB/octave below 100 Hz
Current consumption:	less than 2 mA
Microphone size:	2.5" (63.5 mm) diameter; 8.6" (219 mm) length
Microphone net weight:	2 lb. (0.92 kg)



Features

- **Dedicated cardioid pattern with response tailored to solo vocals and instrumentals in the modern studio**
- **Wide dynamic range of 110 dB in the studio**
- **Integral 20-dB pre-attenuation switch**
- **Low frequency cut at 100 Hz**
- **Includes aluminum flight case, with all necessary cabling, shock mount and windscreens**

Specifications contd.

SOLIDTUBE Power Supply:

Power requirements:	115/230 Vac
Current consumption:	40 mA @ 230 Vac, 80 mA @ 115 Vac
Fuse size/type:	Type TO, 1 A slow blow, (5 x 20 mm)
Power supply dimensions:	9" x 2.8" x 5.9" (W x H x D), (228 x 70 x 150 mm)
Power supply weight:	3.2 lb. (1.5 kg)
Microphone connector:	6 pin XLR
Output connector:	3 pin XLR
LF cut:	12 dB/octave, 100 Hz
Ground lift:	isolates signal ground from chassis ground

SOLIDTUBE system shipping weight: 11 lb. (5.0 kg)

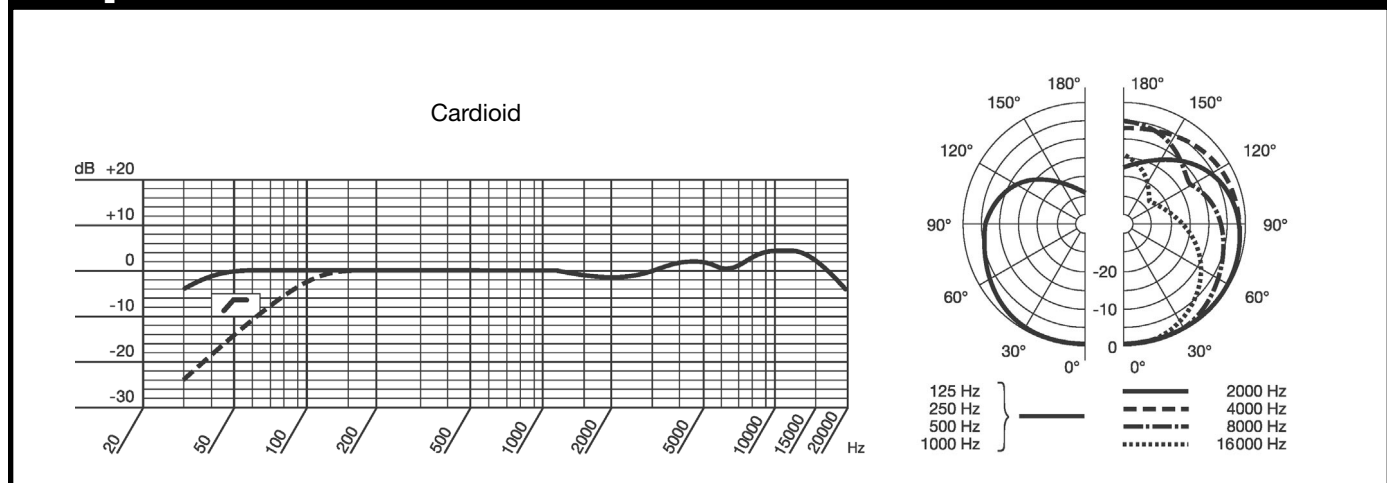
Included accessories: N-SOLIDTUBE power supply unit
H-SOLID elastic shock mount suspension
MK-SOLID power supply cable 30 ft. (10 m)
W-SOLID foam wind/pop screen
Power cables (European and North American) Custom flight case

Architects and Engineers Specifications

The microphone shall be a 1 inch tube type condenser with a dedicated cardioid pattern. The diaphragm material shall be gold-sputtered mylar foil, and the on-axis sensitivity shall be no less than 20 mV/Pa. The inherent noise floor of the microphone shall be no greater than 20 dB (A-weighted), and the operating sound field for 3% THD shall be no less than 130 dB. The microphone size shall be no greater than 2.5 inches in diameter and 8.62 inches in

length, and the microphone net weight shall be no greater than 2.02 pounds. The microphone shall be powered by an external power supply. Facilities for low cut, 12 dB/octave at 100 Hz, and pre-attenuation of 20 dB shall be included. An aluminum flight case, all cabling, isolation shock mount, and windscreen shall be included as standard accessories. The microphone shall be the AKG Acoustics Model SOLIDTUBE.

Graphical Data



AKG is constantly improving and modifying its products, therefore, specifications are subject to change without notice.

Limited Warranty

Valid only in the United States. AKG Acoustics warrants AKG products against defects in material or workmanship for a period of three years from the date of original purchase for use, and agrees to repair or, at our option, replace any defective unit without charge for either parts or labor. Important: This warranty does not cover damage resulting from accident, misuse or abuse, lack of reasonable care, the affixing of any attachment not provided with the product, loss of parts or connecting the product to any but the specified receptacles. This warranty is void unless service or repairs are performed by an authorized service center. No responsibility is assumed for any

special, incidental or consequential damages. However, the limitation of any right or remedy shall not be effective where such is prohibited or restricted by law. Simply take or ship your AKG product prepaid to our service department. Be sure to include your sales slip as proof of purchase date. (We will not repair transit damage under the no-charge terms of this warranty.) Note: No other warranty, written or oral is authorized by AKG Acoustics, Inc. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation on how long an implied warranty lasts, so the above exclusions and limitation may not apply to you.

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DS-SOLIDTUBE