



Josephson Engineering, Inc. Microphone Warranty

Josephson microphones are warranted to be free of defects for five years from the date of original purchase. If purchase documents are not available, the warranty period begins when the microphone was shipped from the factory. Josephson Engineering will, at its option, repair or replace any microphone that fails, providing that it is returned to the factory prepaid and has not been abused or altered.

There are no user-serviceable parts inside Josephson Engineering microphones. Disassembling a Josephson microphone will void its warranty.

For service information please contact Josephson at
+1-831-420-0888, or see www.josephson.com

EU Regulatory Compliance

Josephson Engineering, Inc. certifies that C706 microphones bearing the "CE" mark conform at the time of shipment to the applicable requirements of the European Union directives as follows:

Machinery Regulation 2023/1230/EU	Exempt – passive sensor
Low Voltage Directive 2014/35/EU	Exempt – passive sensor
EMC Directive 2014/30/EU	Exempt – passive sensor
RoHS 2011/65/EU as amended by 2015/863	Compliant for Cd <100 ppm, Pb, Hg, Cr6, PBB, PBDE, DEHP, BBP, DBP and DIBP <1000 ppm

David Josephson
Josephson Engineering, Inc.



C706 Studio Microphone

The Josephson Engineering **C706** microphone combines a version of the dual-diaphragm capsule and transformerless active balanced electronics used in the C716 with the hardened steel housing of the C705. No compromises are made in the sonic quality of the circuit or the components used to build it, while a somewhat lower cost is realized through using a rugged industrial finish rather than the brass housing and plated finish of our other mics.

The capsule, using 5 micron gold-metallized diaphragms and precision machined internal surfaces, provides a smooth and extended high end, detailed midrange and the controlled proximity effect characteristic of dual-diaphragm mics. The C706 is not only great for vocals, it's also excellent for instrument and ensemble pickup, and works well with a variety of preamps and input stages, due to its low output impedance.

Because of the limited power budget imposed by P48 standard phantom power, it takes some time for the C706 to reach full operating performance. The microphone becomes operational about ten seconds after application of power, but as the internal power supplies become stable, there may be some drift in sensitivity. The microphone should be allowed to operate for 5 minutes before being used for critical recording.

For additional overload margin, the C706 may be used with "super phantom" powering according to IEC 61938. This is identical to normal P48 phantom, but using 2.2K resistors matched to within 2 ohms rather than 6.8K. About 10 mA will be used in "super phantom" mode.

Specifications

Pressure-gradient condenser microphone transducer
Cardioid directional pattern
Frequency range 20-20,000 Hz
Sensitivity 26 mV/Pa
Equivalent noise level <15 dB SPL, A weighted RMS
Overload sound level 130 dB SPL
P48 phantom power, 6 mA current consumption
Diameter 63 mm (100 mm wide at yoke), length 261 mm
Weight 1.2 kg
Output connector 3-pin XLR

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