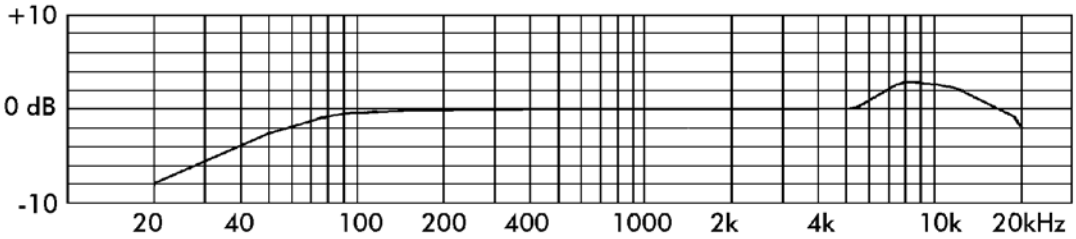
e22S

The Josephson e22S side-address cardioid was designed to meet the needs of noted recording engineer Steve Albini. The physical profile allows unobtrusive placement, even with tight percussion layouts. Unique among studio condenser microphones, the e22S capsule geometry is optimized for spot miking performance. The circuit uses a cascode discrete FET front end, combined with a custom Lundahl output transformer. The electronics were designed to interface easily with either transformer or direct coupled mic preamps. The e22S has low self-noise, so it delivers low level detail, and handles high sound pressure levels for minimal distortion on extremely loud passages. The microphone housing is very rugged, with a precision machined, satin black chrome finish.

"The specific need addressed by the e22S was drum kit recording, and the mics are used in that capacity nearly every day, but once they were in our hands, they quickly became a favorite mic for many instruments, including acoustic guitar, mandolin, banjo, guitar amplifiers, organ and horns. The e22S is easily the most versatile microphone in our cabinet.

"On loud sounds like drums and guitar cabinets, the 609 head amplifier delivers a crisp, clear signal that is free of distortion, at a level that doesn't require an external pad."
—Steve Albini

Specifications	e22S
Directional pattern	Cardioid
Frequency response	20-20,000 Hz ±2 dB from curve
Sensitivity	4.8 mV/Pa
Rated impedance	200 ohms
Equivalent noise level	12 dB SPL A-weighted
Maximum SPL	144 dB
Weight	180 g
Dimensions	21mm diameter, 190mm long, 30mm head



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