

KT20ma

2" point source self-powered compact speaker

Features:

- Unique performance-to-size ratio
- Single 2" long excursion full range driver
- Wide-range frequency response
- High speech intelligibility and high dynamic range for music applications
- Integrated Speakon connector
- for mobile or installed application (option)
- Full Aluminum ultra strong frame
- Available in Black or Aluminum
- Integrated connection points for accessories
- Only 350g of weight

Applications:

- Background music systems in restaurants and clubs
- High-quality distributed systems for paging and music
- Exhibit audio for museum displays
- Space-sensitive fill for theatres



The KT20ma (and the KT20Cma for ceiling mount) is a pioneering active micro loudspeaker designed for point source applications and high quality distributed systems. Truly groundbreaking, the KT20ma can deliver an incredible maximum peak of 107dB from it's integrated amplifier and all from a unit that fits in the palm of your hand. The elegant but rugged enclosure is built to aircraft specifications from a single piece of aluminum and measures a mere 6.4cm (dia) x 9.3cm (deep). The KT20ma has flexible and easy-to-configure mounting options. With its ability to effortlessly reproduce both speech and music, it makes an excellent choice for fixed applications such as theatre, museum displays, restaurants, portable systems for corporate AV presentations, department stores, and in hidden locations such as chancel steps in houses of



DATASHEET



worship; the applications are endless. The KT20ma has a proprietary 2" high efficiency drive unit with a neodymium magnet structure and a suspension engineered for maximum linear excursion and minimum residual transducer interference. This cone transducer delivers an impressive maximum peak SPL of 107dB, and has a wide operating frequency range from 150 Hz to 18 kHz with very low distortion.

KT20ma has a 4-pin Phoenix connector that supplies the power and balanced audio input, making set up or fixed installation a breeze.

All the components are designed in-house at our Florence based R&D department. They are custom manufactured to our exacting standards and quality control.

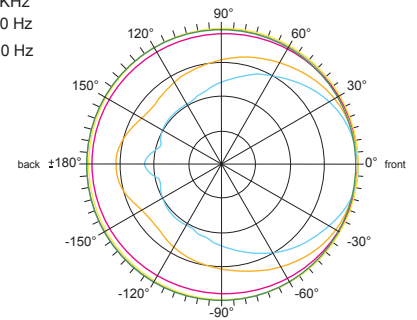
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KT20ma	
Acoustics	
Speakers power handling	18 W ^(AES)
Max power	30 W ¹
Impedance	8 Ω
Frequency range	150 HZ - 18 KHz +/- 3dB
SPL 1W/1mt	87 dB ²
Maximum SPL	101 dB continuous - 107 dB peak
Coverage	
Horizontal	90°
Vertical	90°
Crossover	
Type	active filter
Frequency	150Hz 24dB/oct
Transducers	
Full-range	2" Neodymium cone driver with 0.75" voice coil
Audio Input	
Connectors	4-pin Phoenix connector
Wiring	PIN1= cold (-) PIN2 = hot (+) PIN4 = Ground
Power Audio Output	
Connectors	-
Remote control Input	
Connectors	-
Power Input	
Connectors	4-pin Phoenix connector
Wiring	PIN3= V+ PIN4 = Ground
Amplifier	
Type	1 module class D electronically processed
Power	30 W @ 8Ω ³
Protection	Dynamic limiter, over current, over temp, short circuits
Input impedance	112K balanced 56K unbalanced
Distortion	F = 1 KHz P _o = 20W 0.2% THD+N
DC Power	
Operating range	Standard 12 - 24 Vdc
P. nom / I. nom	1 A / 24 Vac
Minimum operation voltage	11 Vac
Maximum operation voltage	25 Vac
Max continuous burst current	Standard 0.75A(>10 sec) - 3A (<1 sec)
Physical	
Dimensions	6.4 x 8.3 x 14.3 cm (2.52 x 3.27" x 5.63")
Weight	0.34 Kg (0,75 lbs)

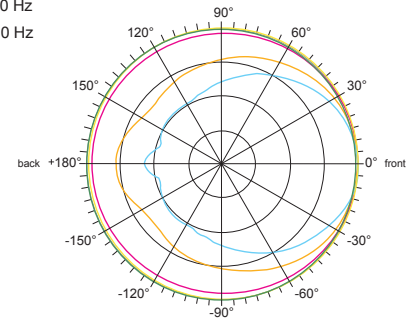
DISPERSION GRAPHS

- 8 KHz
- 4 KHz
- 1 KHz
- 500 Hz
- 250 Hz



horizontal

- 8 KHz
- 4 KHz
- 1 KHz
- 500 Hz
- 250 Hz



vertical

Notes for data

1. Maximum RMS applicable power for a musical signal, the reference signal is the one proposed by EIAJ standard.
2. Measured @4 mt then scaled @1 mt
3. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance.

New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this brochure.