MKD526

2-Way Full-Range Dual-Woofer Loudspeaker

- High-ouput for size, passive two-way performance
- Ultra compact multipurpose loudspeaker
- Flexible accessory solutions for numerous applications
- Weather protection and transformer options
- Rear Panel Pin Select Switch

OVERVIEW

The MKD526 installation loudspeaker is engineered to deliver the high output, broadband pattern control and exceptional fidelity perfect for but not limited to front fills, under balcony fills, corporate events, and bars/restaurants.

MKD526 builds on EAW's long standing tradition of exceptional installation focused loudspeakers developed in partnership with consultants and sound system integrators worldwide. The compact durable Baltic birch enclosure provides for easy installation with an array of accessories including a u-bracket, yoke, and ceiling bracket. MKD526 also offers weather protection options, custom colors, and a small profile allow for concealed installations in the most visually sensitive environments.

TECHNOLOGIES

Beamwidth Matched Crossovers Introduced over a decade ago for our MK series loudspeakers, EAW Engineers use carefully-designed HF horns and crossovers to eliminate polar irregularities through the crossover point.

Focusing™ Use of advanced digital signal processing to perfect the impulse response of a loudspeaker in the time domain. Eliminating horn "honk" and splashiness, this makes the loudspeaker sound like a studio monitor instead of a "PA" speaker.

DynO™ Dynamic Optimization actively tracks input spectrum and power delivery, continually wicked maximizing output and fidelity at any drive level.

Symmetry of Sources™ Symmetrical arrangement of acoustic sources along a common axis for utmost consistency throughout the coverage pattern.

One Main Street | Whitinsville, MA 01588 | Tel 800 992 5013 / 508 234 6158 | www.eaw.com

EAW EASTERN ACOUSTIC WORKS

TECHNICAL SPECIFICATIONS

2-WAY 2 X 5" ULTRA COMPACT LOUDSPEAKER

PERFORMANCE	
Max SPL[1] (12 dB Crest Factor)	127dB
Max SPL[1] (6 dB Crest Factor)	121dB
Operating Range[2]	75Hz-20kHZ
Nominal Beamwidth[3]	120 x 60 degress, rotatable
Axial Sensitivity	91dB, 75Hz-20kHz
Calculated Axial Output	115dB average
Nominal Phase	±15° from ideal high-pass filter
Input Impedance	8 ohms nominal, 7.4 ohms @ 270Hz Minimum
Recommended HPF	75Hz, 12dB/oct
ACCELERATED LIFE TEST [4]	
LF/HF	45V 250W@8ohms
CONFIGURATION	
LF Transducer	2x5.25" Cone, 1.25" VC
HF Transducer	1x1-in exit, 35mm voice coil compression driver, Horn loaded
Operating Modes	LF/HF, DSP w/ EAW Focusing & DynO
PHYSICAL	
Physical Rigging	12 x M6 Threaded Points for use with mounting accessories
Dimensions (HxWxD)	5.25 x 16.5 x 8.77in (133 x 419 x 223mm)
Net Weight	16.7 lbs (7.6kg)
Shipping Weight	Aprrox 19.7 lb (8.9kg)
Mounting Accessories	U-Bracket Yoke-Bracket Under Balcony Bracket
Input Connector	3x Nuetrik NL4

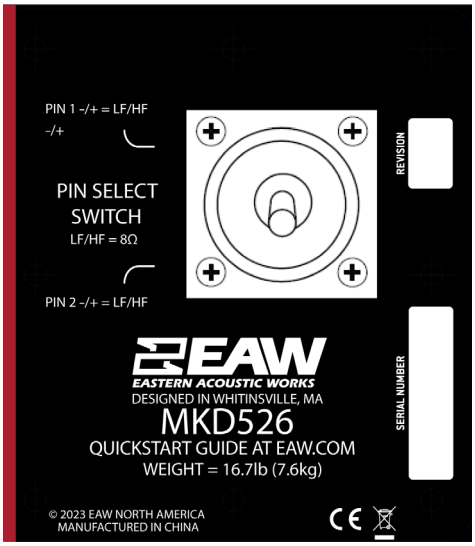
1 Calculated peak SPL at 1m with stated crest factor pink noise. Specified as whole space (free field) for full range loudspeakers, half space for subwoofers.

2 Operating Range: Range where the processed Frequency Response stays within -10 dB SPL of the power averaged SPL within this range; measured on the geometric axis. Narrow band dips are excepted.

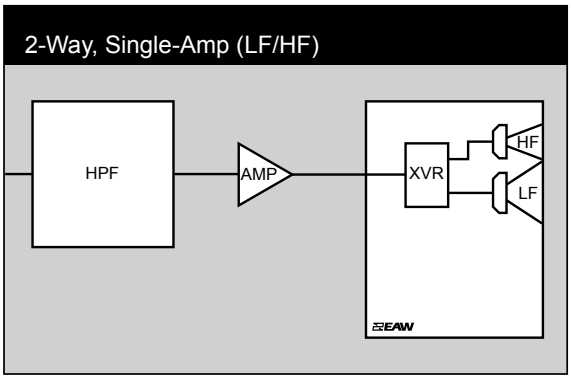
3 Nominal Beamwidth: Design angle for the -6 dB SPL points, referenced to 0 dB SPL as the highest level.

4 Accelerated Life Test: Maximum test input voltage applied with an EIA-426B defined spectrum; measured with recommended signal processing and Recommended Protection Filter.

INPUT



SIGNAL



LEGEND

LF/MF/HF: Low Frequency / Mid Frequency / High Frequency.
AMP: User Supplied Power Amplifier –or– Integral Amplifier for NT products.
XVR: Passive LPFs, HPFs, and EQ integral to the loudspeaker.
EAW Focusing: Digital Signal Processor capable of implementing EAW Focusing.

RECOMMENDED AMPLIFIER CONFIGURATION

SINGLE-AMP

MODEL	PER CHANNEL	PER AMPLIFIER
UXA4401	-	2 (Bridged CH)
UXA4403	3	12

EAW strongly recommends utilizing the processing setting to take full advantage of your speakers. Pair with EAW UXA Amps for the best performance of EAW Core Technologies

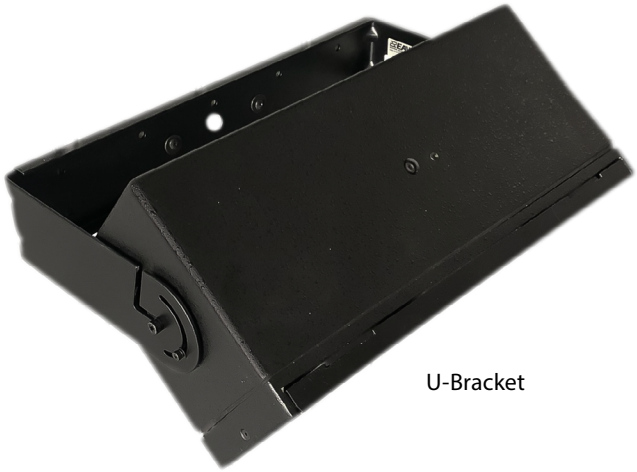
RIGGING CONFIGURATION

Yoke Mount

MOUNTING HARDWARE

EAW

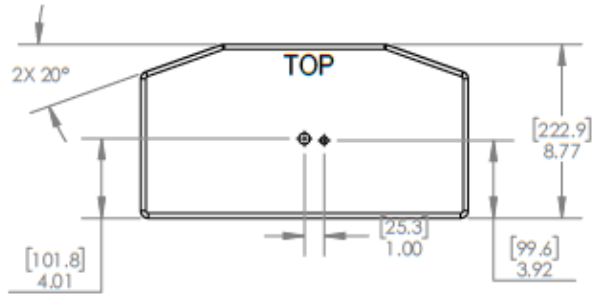
DESCRIPTION	PART NUMBER
U-Bracket	2071721-90 (BLK) 2071785-90 (WHT)
PL-WP U-Bracket	2072209-90 (BLK) 2072210-90 (WHT)
Yoke Bracket	2071722-90 (BLK) 2071786-90 (WHT)
PL-WP Yoke Bracket	2072212-90 (BLK) 2072211-90(WHT)
Under Balcony	2071723-90 (BLK) 2071787-90 (WHT)

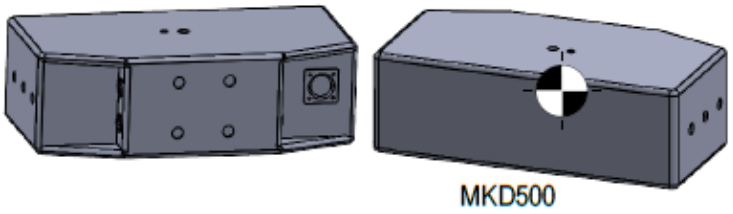


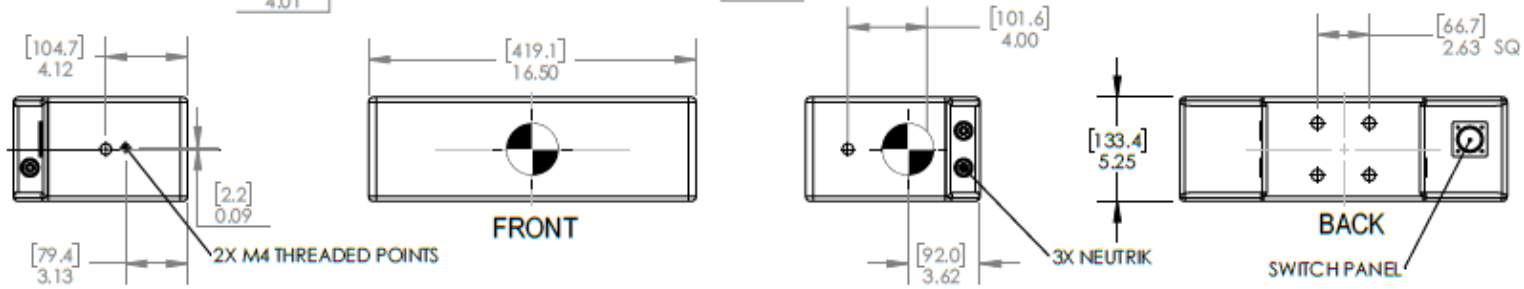
U-Bracket

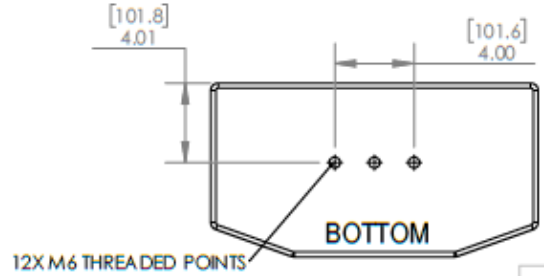
NOTES:
1. DRAWING APPLIES TO MKD500.
2. SYMBOL INDICATES CENTER OF GRAVITY.
3. WEIGHT APPROXIMATELY 16.7LBS [7.6KG]
4. SHIPPING WEIGHT APPROXIMATELY 19.7LB [8.9KG]

REVISIONS		
REV	DESCRIPTION	APPR / DATE
A	ECOEAW1118	1/27/23









THIRD ANGLE PROJECTION

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UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN MILLIMETERS
DUAL [INCHES] DIMENSIONS FOR REF ONLY

TOLERANCE IN MILLIMETERS
X ±.8 XX ±.4 XXX ±.15
FRACTIONS ±1/32
ANGLES ±1/2°
(XXX) = REF DIMS
NO TOLERANCE IMPLIED

TSC = THEORETICAL SHARP CORNER

DIMENSIONS ACROSS CENTERLINES TO BE SYMMETRICAL

EAW EASTERN ACOUSTIC WORKS
ONE MAIN STREET MILLVILLE, MA 01518 USA

TITLE: DWG CUSTOMER MKD500 [MECHANICAL SPECIFICATION]

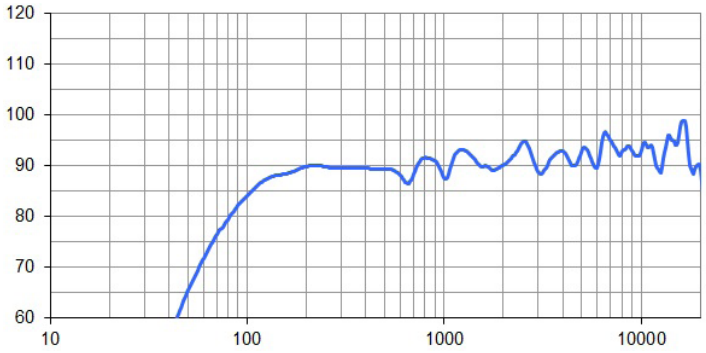
A	SHEET 1 OF 1	SCALE: 1:8

DWG. NO. 2071482-CD REV A

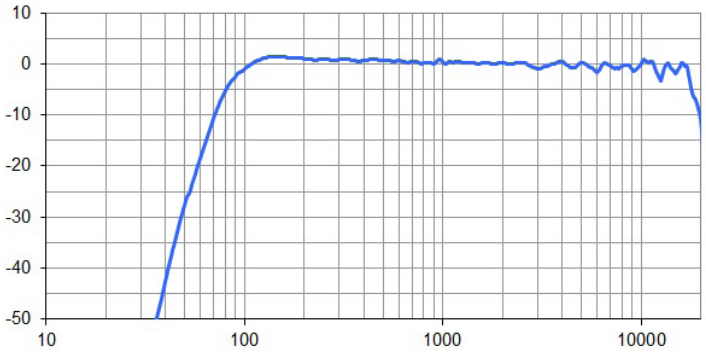
SOLID WORKS
2071482-CD (A) DWG CUSTOMER MKD500

PERFORMANCE GRAPHS

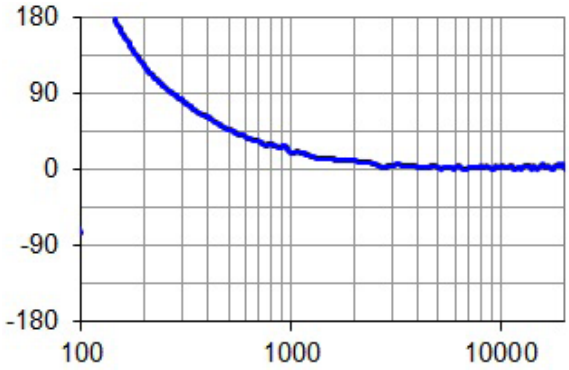
FREQUENCY[1] ■=Overall Response Unprocessed



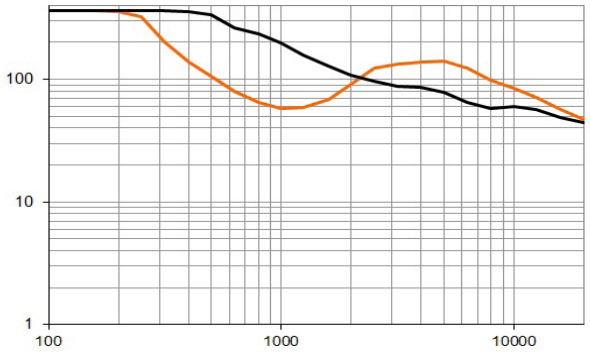
FREQUENCY[1] ■=Overall Response Processed



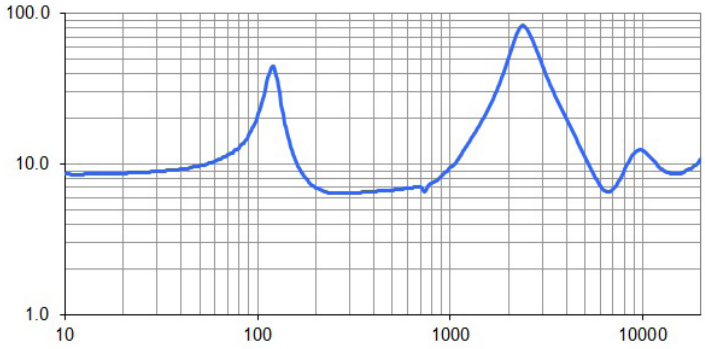
PHASE LINEARITY



BEAMWIDTH[2] ■=Horizontal ■=Vertical



IMPEDANCE



1 Variation in acoustic output level with frequency for a constant input signal. Processed: normalized to 0 dB SPL. Unprocessed inputs: 2 V (4 ohm nominal impedance), 2.83 V (8ohm nominal impedance), or 4 V (16 ohm nominal impedance) referenced to a distance of 1 m.

2 Average angle for each 1/3 octave frequency band where, starting from the rear of the loudspeaker, the output first reaches -6 dB SPL referenced to 0 dB SPL as the highest level. This method means the output may drop below -6 dB SPL within the beamwidth angle.