

# audiomax™

MODEL 4000 BROADCAST CARTRIDGE

Introducing the AUDIOMAX 4000 Broadcast Audio Tape Cartridge, another improvement in cartridge technology from Fidelipac Corporation



AUDIOMAX 4000 has been developed specifically for premium quality stereo use at elevated levels, and compatibility with existing Type AA-4 Cartridges. Its proprietary tape formulation, DYN-600X, features excellent high frequency response and headroom, and exhibits minimal oxide shedding and extended wear characteristics. Abrasion of expensive cartridge machine heads, tape guides, and capstan shafts has been minimized. The shell design is refined, utilizing first generation molds and the latest in rugged high grade engineering plastics. These features combine to provide a superior quality cartridge that sounds better, tracks phase tighter, and lasts longer under even the most abusive handling conditions.

## AUDIOMAX 4000 FEATURES

- ✓ EXCELLENT HIGH FREQUENCY RESPONSE
- ✓ EXTENDED HEADROOM
- ✓ LOW FRICTION & ABRASIVENESS
- ✓ VERY LOW OXIDE SHEDDING
- ✓ TYPE AA-4 COMPATIBILITY
- ✓ RUGGED HIGH GRADE ENGINEERING PLASTIC CONSTRUCTION
- ✓ HIGH TOLERANCE DESIGN & CONSTRUCTION
- ✓ INDIVIDUAL PROTECTIVE SLEEVES
- ✓ SATISFACTION GUARANTEED

### AUDIOMAX 4000 PERFORMANCE SPECIFICATIONS

Tape Loaded: DYN-600X

#### CARTRIDGE

NAB TYPE	AA
Maximum Tape Load @ 7-1/2 ips	10.5 min 394 feet
Shell Material	Modified Acrylic Resin
Base Color	Blue Opaque
Top Color	Blue Translucent
Dimensions	4.000 X 5.175 X 0.875 in. 101 X 133 X 22 mm
* Stereo Phase Repeatability @ 7-1/2 ips	±50°
Wow & Flutter ref. 3.15 kHz NAB	0.06% typ.

\* Referenced to Statistical Base Center Line Cartridge

\*\* Referenced to Type AA-4 Cartridge recorded at 250 nWb/m fluxivity

All measurements made utilizing a DYNAMAX CTR124 Recorder/Reproducer

**AUDIOMAX 4000 is completely phase and bias compatible with Type AA-4 Cartridges.**

**User Satisfaction is 100% Guaranteed**

#### TAPE

Base Material	0.880 mils
Backcoat	0.040 mils
Oxide	0.350 mils
Nominal Overall Thickness	1.270 mils
Nominal Width (+0.000/-0.002)	248.0 mils
<b>Magnetic Properties</b>	
Coercivity (Hc)	360 Oe
Retentivity (Br)	1400 G
Squareness	89 %
Switching Field Distribution	.34
<b>Electromagnetic Properties</b>	
Recommended Overbias	
@ 10 kHz	3.0 dB
<b>**Sensitivity</b>	
1 kHz	-0.2 dB
10 kHz	0.0 dB
15.5 kHz	+0.5 dB
Maximum Output Level (MOL)	
3% Third Harmonic Distortion @ 1kHz	+8.0 dB
Saturation Output Level (SOL)	
@ 10 kHz	+3.5 dB
Total Harmonic Distortion (THD)	
@ 1 kHz ref. 0.0 dB	1.0 %
Signal to Noise Ratio	
Ref. NAB "A" Weighted	59.0 dB

Specifications are subject to change without prior notification by Fidelipac Corporation

- AUDIOMAX 4000 Broadcast Audio Tape Cartridges are each provided with a protective storage sleeve. Standard loaded lengths are from 10 seconds to 10-1/2 minutes, reference 7-1/2 ips. Standard AUDIOMAX 4000 packaging is 24 cartridges per carton.

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