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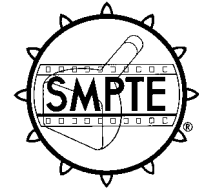
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SMPTE STANDARD

ANSI/SMPTE 22M-1997

Revision of
ANSI/SMPTE 22M-1986

for Video Recording — 3/4-in Type E Helical Scan — Cassette



Page 1 of 6 pages

1 Scope

This standard specifies the dimensions of a video cassette for use with a 3/4-in type E helical-scan video tape recording cassette system, operating at a tape speed of 95.3 mm/s (3.752 in/s).

2 Datum planes

2.1 Datum plane A is the plane determined by points A, B, and C in figure 5.

2.2 Datum plane B is the plane that includes the center of datum holes (a) and (b) and is orthogonal to both datum planes A and C.

2.3 Datum plane C includes datum hole (a) and is orthogonal to both datum planes A and B.

3 Dimensions

3.1 The dimensions necessary for the interface of equipment shall be as specified in the figures and table.

3.2 The metric dimensions are primary.

4 Measurement environment

The temperature shall be $23^{\circ}\text{C} \pm 1^{\circ}\text{C}$ ($73^{\circ}\text{F} \pm 2^{\circ}\text{F}$) with a relative humidity of $(50 \pm 2)\%$.

Table 1 – Dimensional tolerances not otherwise specified

Millimeters			Inches		
Over	To	Tolerances	Over	To	Tolerances
0.0	4.0	± 0.2	0.000	0.157	± 0.008
4.0	16.0	± 0.3	0.157	0.630	± 0.012
16.0	63.0	± 0.4	0.630	2.480	± 0.016
63.0	250.0	± 0.5	2.480	9.843	± 0.020

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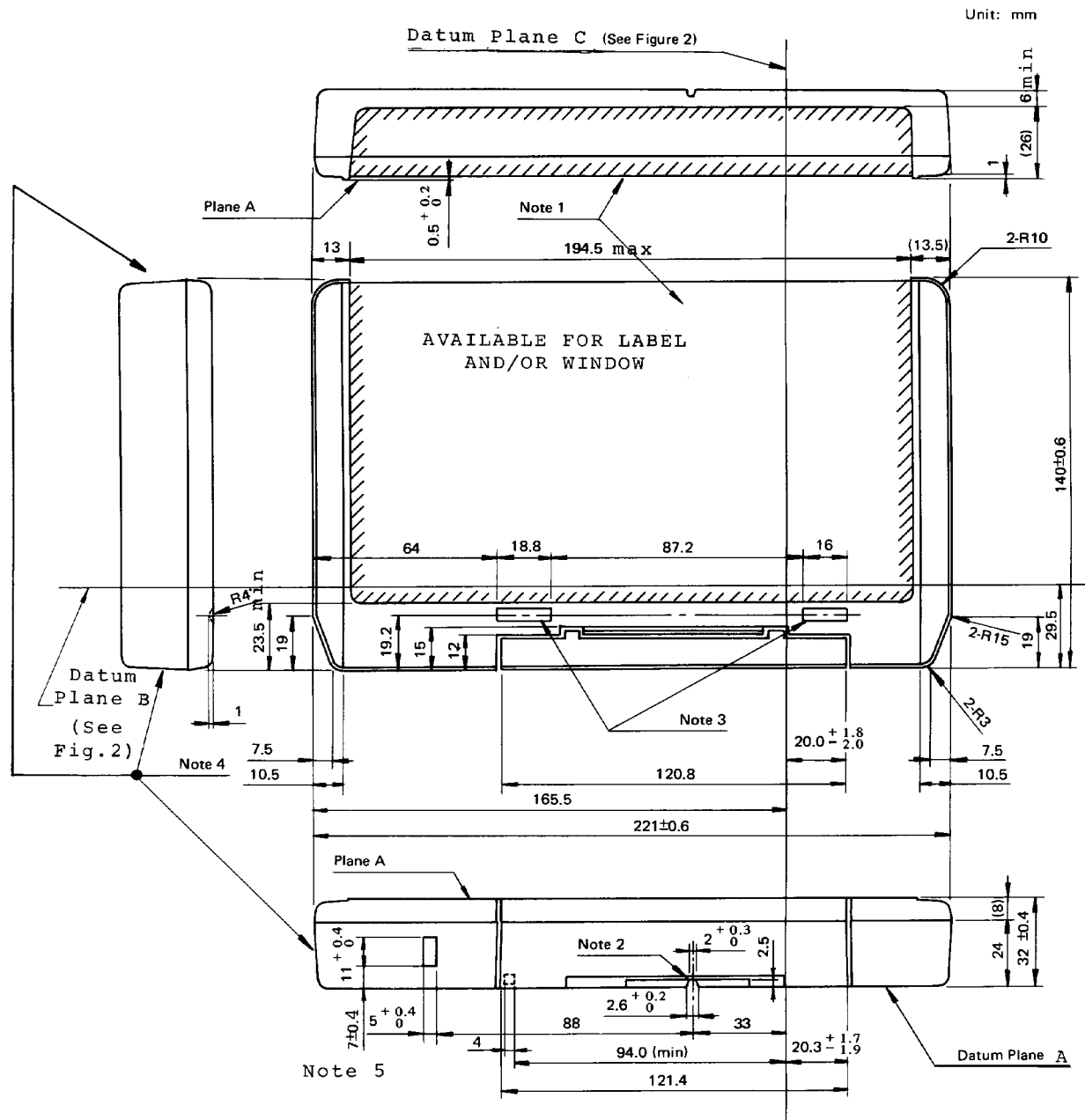


Figure 1 – Top view of video cassette