

Compact Cassette Datasheets

Memorex MRX I



I measured MOLs at 11 points from 20 Hz to 1 kHz with a distortion limit of 3%, and measured saturation output levels (SOLs) at nine points from 1 to 16 kHz. I used a Nakamichi 582 deck for substantially all of the record/playback tests.

The three Tables list the MOL (3% distortion limit) at 40, 125, and 800 Hz. I selected 40 Hz because it lies in a frequency region important in music for organ and other sources of low-frequency energy.

The Tables also present SOL data for 2, 4, and 10 kHz. The SOL curves were very similar in shape, particularly within a tape type.

Other data: <https://www.elektronikjk.com>

Maximum Output Level (dB, re: Dolby Level: 200 nWb/m at 400 Hz)

MOL hdl3 = 3%			SOL		
40 Hz	125 Hz	800 Hz	2 kHz	4 kHz	10 kHz
+ 0.4	+ 3.9	+ 5.7	+ 7.0	+ 5.0	-4.0

S/N Ratio (dBA):55.9

Response Limit (-3 dB) at Dolby Level (kHz):9.1

Modulation noise (dB):-51.9

Bias (dB):-1.0

Sensitivity (dB):+ 0.6



