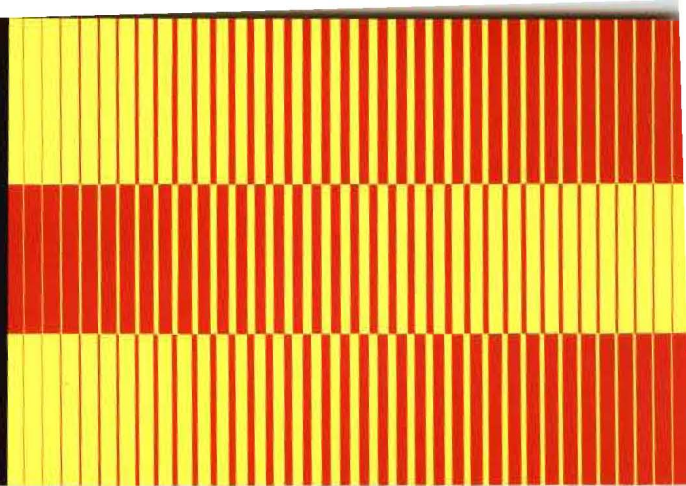


maxell®

Compact Cassette Tape

LOW NOISE Series



**Noise-Free
Superb Mechanism
High Reliability**



Maxell Low Noise Cassette Tape for Multipurpose Recording!

Maxell LN Cassette Tape; Features

Noise-free, clear recording

Specially selected magnetic material eliminates noise inherent in conventional cassette tapes. Precise design and machining of cassette half assure trouble-free tape running. Micro-fine tape coating and smooth tape feeding offer bright, clear sounds.

Sharp separation of source images

Physically, a magnetic tape exists in your recording or playback system, but the tape must be transparent—acoustically. Sounds reproduced from magnetic tape must be exactly the same as those recorded on the tape. Maxell cassette tape is truly transparent. Its excellent binding technique has greatly reduced distortion between recorded and reproduced sound.

Wide dynamic range

Maxell cassette tape is low noise tape—it can record and reproduce every small sound, and it has a very high saturation output level, proof of its ability to record or reproduce high level sounds without disturbance by distortion. Extremely high recording sensitivity promises a rich sound output, and the frequency response is well balanced.

Maxell cassette tape LN is a product of high SN ratio.

Dropouts eliminated

Dropouts during playback are eliminated from Maxell LN cassette tapes—they resist dust adhesion on tape surface. Maxell's unique coating process cancels the chance of inducing dropouts, ensuring smooth and steady tape-to-head contact.

Minimized print-through

With Maxell, you'll never experience a "ghost"—Maxell has developed a new magnetic coating technique that minimized print-through, the ghost sound image transcribed to the next layer. Now, you can record and store sounds forever, just as you want them!

Maxell cassette tapes are ever-clean

Maxell leader tape provides self-cleaning action for your REC/PLAY heads. It keeps your system constantly in the best condition. The tape leader has a start position indicator line and an arrow to indicate the direction of tape advance.

Maxell Low Noise Cassette

	C30	C60	C90	C120
Physical Properties				
Base	Polyester	Tensitized Polyester		
Total tape thickness (μm)	21.0	18.0	12.0	9.0
Magnetic layer thickness (μm)	7.0	6.0	4.0	3.4
Tape width (mm)	3.8	3.8	3.8	3.8
5% extension load (kg)	0.70	0.75	0.55	0.42
Cutting load (kg)	1.20	1.50	1.00	0.70
Resistivity to humidity and heat	good	good	good	good
Electro Acoustic Properties				
Bias (%)	94.5	95.5	96.0	95.5
Sensitivity (dB)	-0.6	-0.4	-0.4	-0.8
Frequency response (dB)				
at 7,000 Hz	+1.3	+1.4	+1.5	+1.7
at 12,500 Hz	+2.8	+2.8	+2.9	+3.3
Output uniformity (VU)	0.5	0.5	0.6	0.6
Maximum output level (dB)				
at 333 Hz	-1.0	-1.0	-1.3	-2.6
8,000 Hz	-10.0	-9.5	-9.5	-9.5
SN ratio (dB)	56	56	56	56
Erasing effect (dB)	70	70	68	68
Print through (dB)	61	59	55	54

* Reference tape: BASF Reference QP-12 C521V

Hitachi Maxell, Ltd.

Tokyo Office:

4-8-15, Kitashinagawa, Shinagawa-ku, Tokyo, 140 Japan

Phone: 442-7271

Cable Address: MAXELLELEC TOKYO

Telex: J26391 MAXELL

Osaka Office:

No. 16, Shinmei-cho, Kita-ku, Osaka, 530 Japan

Phone: 364-6156

Cable Address: MAXELLELEC OSAKA

Printed in Japan

Maxell Corporation of America

130 W. Commercial Ave. Moonachie, N.J. 07074

Phone: 201-933-4200

