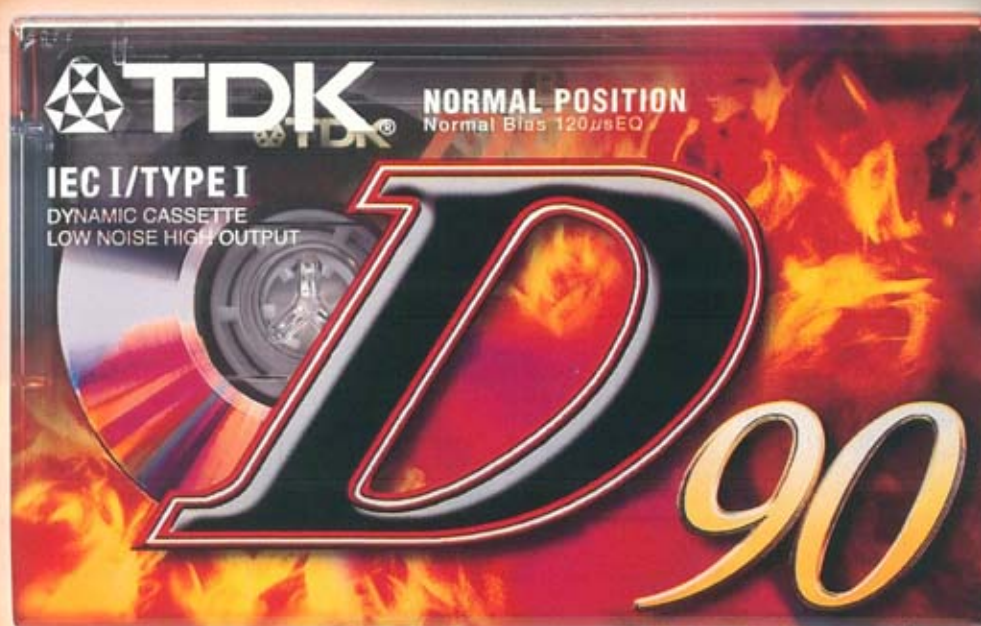


TDK



TDK DYNAMIC CASSETTE

As its name implies, TDK's New D Cassette for music recording provides "dynamic" reproduction, even of digital sources. Underscoring its improved performance, New D stands out with its big "D" logo and eye-catching red packaging that's literally ablaze with colour.

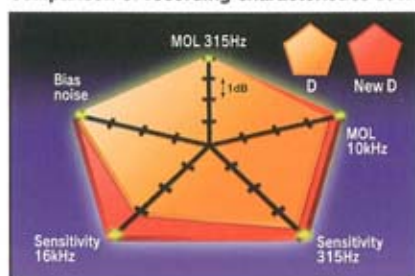
NORMAL POSITION (TYPE I)

TDK DYNAMIC CASSETTE

New D — Bringing even higher performance to one of the world's most popular cassettes.

The sound quality and high reliability of TDK audio cassettes have won them the support of discriminating music enthusiasts around the world. One of TDK's best-known long-selling products is its D Cassette — a cassette for music recording favored by a large number of listeners. D Cassettes deliver lively audio realism from all types of music, be it rock, pops, classic or other genres. And D delivers great sound from any equipment — radio-cassette portables, personal cassette players, car stereo units, or audio components. Now, in addition to its improved sound, New D boasts sharp new packaging as well.

• Comparison of recording characteristics D/New D

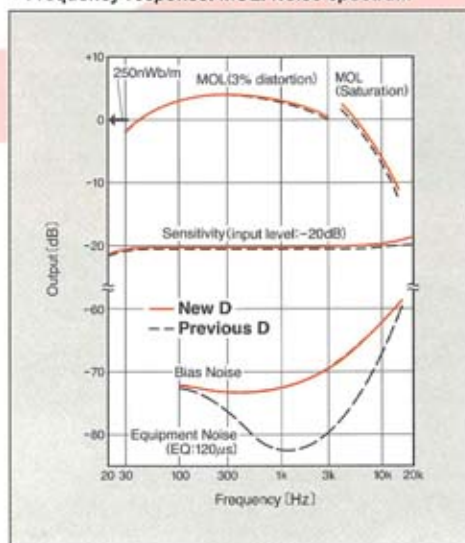


New D — With higher capability to record digital media, reproduces sounds with clarity.

Dynamic sound, with clarity as well. New D owes its high performance to particles of Pure Grained Ferric magnetic material, densely packed into the tape's magnetic layer. It achieves a low-range MOL (Maximum Output Level) of +4.0 dB. In addition, high-range output and sensitivity characteristics have been boosted, and bias noise has been lowered

to -55.0dB, thus realising low-noise characteristics. That's why New D is fully capable of rendering the digital sound of CDs with crystal clarity.

• Frequency response/MOL/Noise spectrum



New D — Designed to withstand demanding conditions of usage, such as in portable stereo players and car audio systems.

The HP (High Precision) cassette mechanism used by New D features a high-precision shell rigidly fastened with screws. The HP mechanism ensures that even under conditions where tape stability can be easily upset, such as portable headphone stereo players or car audio units, the tape consistently maintains stable run, ensuring that it can deliver its best possible performance. The HP mechanism's robust design also means the New D Cassette is built to stand up to shocks from drops and accidental mishandling, further ensuring that prized tapes receive the protection they deserve.

New D — Durable design keeps the good sounds coming, again and again!

New D has been developed with full consideration to durability, ensuring that favorite recordings can be listened to and enjoyed again and again. The binder system used to link the individual magnetic particles to each other — and to bind the magnetic material to the base film — makes use of a highly durable material. Stretch-resistant Tensitized Polyester is utilised for the base film, ensuring high durability and reliability. This makes New D a music cassette that will stand up to repeated recording and playback, again and again.

• Technical Specifications

Item	Unit	D90
Tape Selector Position	—	Normal (Type I)
Physical Properties		
Colour of tape	—	Dark Brown
Base material	—	Tensitized Polyester
Tape width	mm	3.81
Total thickness	µm	12.0
Base thickness	µm	7.5
Coating thickness	µm	4.5
Tape length	m	135
Yield strength	N	6
Breaking strength	N	11
Magnetic Properties		
Magnetic particle	—	Pure-grained Ferric
Coercivity	kA/m	30
Remanence	mT	160
Squareness ratio	—	0.84
Recording Characteristics		
Operating bias	dB	0
MOL at 315Hz	dB	4.0
MOL at 10kHz	dB	-6.5
Sensitivity at 315Hz	dB	-0.2
Sensitivity at 3.15kHz	dB	0
Sensitivity at 10kHz	dB	0
Sensitivity at 16kHz	dB	+1.0
Bias noise	dB	-55.0
Print through	dB	53
Erasure	dB	72
Uniformity at 315Hz	VU	0.3
Uniformity at 10kHz	—	0.3

Measurement conditions: ●Measuring deck: TDK reference deck ●Tape speed: 4.76cm/sec ●Track width: 0.6mm ●Recording head gap: 4µm ●Playback head gap: 1µm ●Reference level: 250nWb/m ●Playback equalizer: 3180+120µs ●Reference tape: IEC I (Y348M) ●Operating bias and Sensitivity: Comparison with reference tape ●MOL and Bias noise: Comparison with reference level. MOL at 315Hz: Playback output level at 3% THD, MOL at 10kHz: Saturation output level ●Measuring magnetic field strength: 400kA/m



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Available lengths : D46 D60 D90 D120