

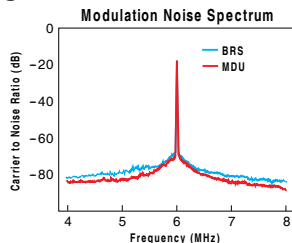
Professional Digital Audio: MDU Master Digital 3/4-inch

The professional quality that is yours in the MDU series is supported by Sony's extensive digital audio expertise and sophisticated multi-stage quality control. This advanced technology reduces reliance on error correction, to deliver the full multi-generation transparency of the 3/4-inch digital audio format.



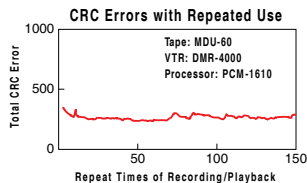
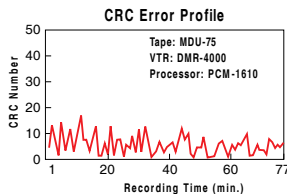
VIVAX for digital recording

Sony's VIVAX magnetic particles, proven in video applications, have been optimized to satisfy digital audio recording requirements. Their high coercivity reduces modulation noise, to achieve a superior carrier-to-noise ratio compared to conventional 3/4-inch tapes.



Low error rate, high reliability

A crosslinked binder system helps disperse the particles, while also enabling higher packing density for increased output. Optimal particle orientation and advanced calendaring contribute to improved signal transfer at the tape-to-head interface. Carbonmirror backcoating promotes runnability and reduces the chance of dropouts caused by electrostatic buildup.



Anti-static cassette shell & lid

The anti-static materials used for cassette shell and lid construction prevent the attraction of airborne contaminants. A wider label area and supplied APRS/SPARS label sheet assist in record keeping and identification.

Physical properties

Item	Unit	Typical value	
		MDU-30	MDU-75
Thickness: Base	µm	20.5	15.0
Thickness: Backcoating	µm	0.8	0.8
Thickness: Magnetic layer	µm	5.0	5.0
Thickness: Total	µm	26.3	20.8
Width	mm	19.005	19.005

Magnetic properties

Item	Unit	Typical value
Intrinsic coercivity (Hc)	kA/m	60.8
Retentivity (Br)	mT	110
Squareness (Br/Bm)	D	0.83
Average CRC error rate	counts/min	10 or less