

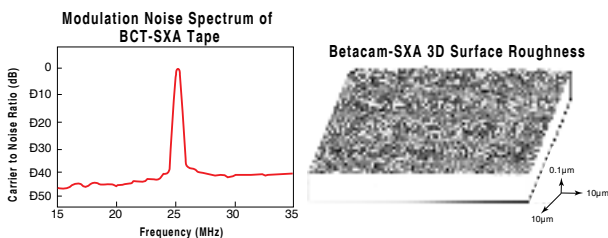
# Efficient and Cost-Effective Digital Video Recording for ENG and EFP: Sony BCT-SXA Betacam SX Cassettes

The SXA Series—With the high degree of tape-to-head contact demanded for digital tape, employing a strengthened base for optimum tape thickness. The result is 62 minutes of recording and playback for the small-size cassette, and up to 194 minutes for the large-size cassette—and all this with a low error rate even after repeated uses. This means greater recording efficiency and convenience in a cost-effective format with high picture quality and digital data integrity. Yellow cassette and case color promotes instant identification of Betacam SX and differentiation from Digital Betacam.



## Ultrafine metal magnetic particles and a new calendering system ensure highly accurate recording/playback of the digital signal.

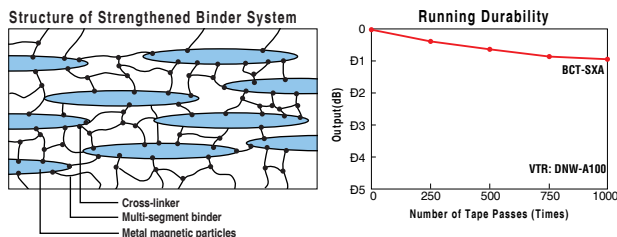
High-density packing of these ultrafine metal magnetic particles achieves a recording wavelength of  $0.76\mu\text{m}$  with a high 40dB C/N ratio. Introduction of the new calendering system plus a design for optimum digital tape surface characteristics delivers faithful recording and reproduction of the digital signal in the SX format.



## Strengthened metal binder system realizes high durability and long head life.

The strengthened metal binder system for the SXA Series' metal tape works to maintain minimal particle shedding from the coated

surface while it also ensures both a long head life and excellent tape durability, even after repeated uses under punishing conditions.



### Physical properties

Item	Unit	Typical value
		BCT-SXA/SXLA
Thickness: Base	µm	11.0
Thickness: Backcoating	µm	1.0
Thickness: Magnetic layer	µm	2.0
Thickness: Total	µm	14.0
Width	mm	12.65

### Magnetic properties

Item	Unit	Typical value
Intrinsic coercivity (Hc)	kA/m	125
Retentivity (Br)	mT	245
Squareness (Br/Bm)	∅	0.85

### Video and Audio performance\*

Item	Unit	Typical value
RF playback output (25.7MHz)	dB	0
C/N	dB	0

\*Compared with Sony reference tape.