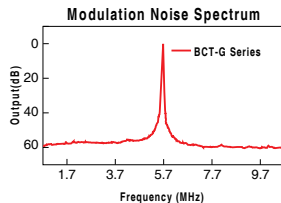


# Rugged Reliability for Betacam & Betacart: BCT-G Broadcast Standard Videocassettes

Designed specifically for your Betacam and Betacart equipment, BCT-G is the broadcast standard videocassette from Sony, the developers of the Betacam format. In BCT-G, VIVAX particles provide high output while a smooth surface and Carbonmirror backcoating reduce noise.

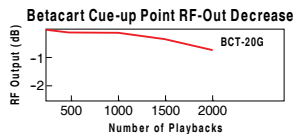
## VIVAX magnetic particles

SSA (specific surface area) refers to the sum total surface area of one gram of magnetic particles. The uniformly needle shaped VIVAX particles employed in BCT-G videotape are so small that they rate an SSA of 40 square meters, for outstanding picture and sound quality, with reduced modulation noise.



## Carbonmirror backcoating

Sony's Carbonmirror backcoating not only reduces dropouts and electrostatic discharge noise, it also promotes runnability. For extremely reliable Betacart operation, tape transport stability and picture quality remain outstanding even after heavy use.



## Crosslinked binder and calendering

An advanced crosslinked binder achieves high packing density for greater output, while preserving durability and flexibility. Together with optimum orientation, precision calendering, and surface smoothing, this binder system maximizes the performance of Sony's exclusive VIVAX magnetic particles.

## Physical properties

Item	Unit	Typical value	
		BCT-5G-10G-20G-30GL	BCT-30G-60GL-90GL
Thickness: Base	μm	14.0	9.0
Thickness: Backcoating	μm	1.0	1.0
Thickness: Magnetic layer	μm	4.7	4.7
Thickness: Total	μm	19.7	14.7
Width	mm	12.65	12.65

## Magnetic properties

Item	Unit	Typical value
Intrinsic coercivity (Hc)	kA/m	56.5
Retentivity (Br)	mT	125
Squareness (Br/Bm)	∅	0.86

## Video and Audio performance

Item	Unit	Typical value
RF playback output (5.7MHz)*	dB	+1.5
Video S/N (monochrome)*	dB	+1.0
Dropouts (-16dB, 10μs)	avg. counts/min.	3
Still frame	hour	2 or more
Signal wear	dB after 200 passes	-1.0 or less
Sensitivity (1kHz)*	dB	0
Frequency response (15 kHz/1 kHz)*	dB	0
Erasability (1kHz)	dB	71

\*Compared with Sony reference tape.