

**Panasonic**  
ideas for life

Mini-DV Professional Quality Cassette

AY-DVM33PQUS  
AY-DVM63PQUS  
AY-DVM83PQUS

Introducing the **PQUS Series**  
with a Newly Designed Package  
& Product Enhancements

All major patents,  
from basic patents  
to productivity  
improvements,  
have been obtained.

239 domestic and 17 overseas patents



AY-DVM63PQUS



AY-DVM33PQUS



AY-DVM83PQUS

# High reliability based on Panasonic's metal-evaporation technology

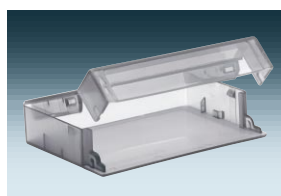
Panasonic's advanced metal-evaporation technology achieves excellent characteristics, high durability and optimal tape-to-head contact.

## History of DV Cassette R&D

1976	Basic research starts, and 130 basic patents are obtained.
1978	The world's first metal-evaporated tape, Ångrom Tape, is marketed.
1980	The IR-100 Prize* is received. <small>* Each year a U.S. magazine called <i>R&amp;D</i>, which specializes in industrial technology, selects and provides awards to 100 advanced technologies and products that were released around the world the previous year.</small>
1981	Selected as a reference tape for the 8 mm video format.
1990	The world's first DLC Coating metal-evaporated tape is marketed.
1995	Selected as a reference tape (6.35-mm width) for the DV format. A total of 150 patents are registered, with 860 pending.
2001	Total production of 100,000,000 DVC tapes achieved.
2007	Total production of 400,000,000 DVC tapes achieved.

## 2-way soft case

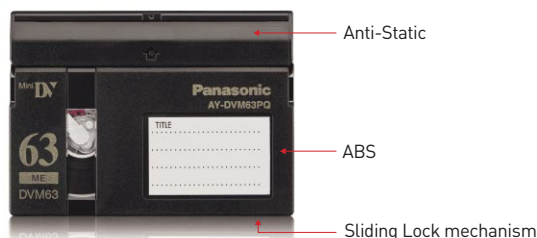
A soft material that won't break if dropped is used for the cassette case. The 2-way lid construction lets you easily extract the tape with one hand, even while shooting.



## ABS resin shell and anti-static lid.

The precision engineered cassette shell is molded of ABS resin, which prevents warping and provides tough impact resistance and durability.

The anti-static cassette lid treatment repels dust, debris, and contaminants, minimizing dropouts. The sliding lock mechanism prevents against accidental erasure of recordings.



## ■ PQ Line-Up

	Playing Time (SP Mode)	Tape Length	Weight
	(min)	(m)	(g)
<b>AY-DVM33PQUS</b>	33	39.8	36.0
<b>AY-DVM63PQUS</b>	63	73.8	38.0
<b>AY-DVM83PQUS</b>	83	96.5	39.5

## ■ Tape Specifications

Mini DV

Magnetic Characteristics	Coercivity	120 KA/m	
	Max Residual Magnetic Flux Density	400 mT	
	Squareness	0.8	
Recording Characteristics	Optimum Recording Current	0 dB*	
	Data Signal	Output level (21 MHz)	more than -1 dB*
		Frequency Response (21/10.5 MHz)	within ±2 dB*
		Overwrite (10.5/21MHz)	less than 2 dB*
		C/N (21 MHz)	more than -2 dB*
	C/N (10.5 MHz)	more than -2 dB*	
	Tracking Signal	Output level (0.47 MHz)	0 dB*
Overwrite (0.47/21 MHz)		less than -1 dB*	
Impulse Response (1/90 Tb)	within ±5 %		

\* As compared to DV Cassette reference tapes

**Panasonic**®

Design and specifications are subject to change without notice.