

STEREO PHONOGRAPH CARTRIDGE

MODEL NUMBER AT71(CN-2411)

DRWG. NO. 5187

PAGE 1 OF 2

TYPE OF GENERATING ELEMENT
REPLACEMENT STYLUS NUMBER

DUAL MOVING MAGNET
ATN71(N-2411)

PHYSICAL AND ELECTRICAL DESCRIPTION

Tracking Force (Nominal)	2.0	gram
Tracking Force Range	1.5 - 2.5	gram
Stylus Tip (Type)	BONDED CONICAL	
Stylus Tip (Radius)	15.0	μm
Dimensions	See drawing	
Weight	5.5	gram
Mounting	1/2 INCH CENTERS	
Body Colour	BLACK	
Stylus Assembly Colour	YELLOW	
Recommended Load Impedance	47K	ohm
Recommended Load Capacitance	100	pF

PERFORMANCE SPECIFICATIONS

Frequency Response	(AT 10K Hz)	0	dB
Output Voltage (at 1kHz, $V_{eff} = 5.6$ cm/sec.)		6	mV (≥ 4 mV)
Channel Balance (at 1kHz)			(≤ 2 dB)
Channel Separation (at 1kHz)		27	dB (≥ 20 dB)
Static Compliance		20	μm/mN
Dynamic Compliance (at 315Hz)		4.5	μm/mN
Tracking Ability (at 315Hz)		80	μm (≥ 60 μm)
Tracking Ability (at 10kHz/250Hz)			%
FIM Distortion		1.0	%
Hum Sensitivity		0.20	mV (≤ 0.3 mV)
Vertical Tracking Angle		22	°
Record Clearance at Max. Tracking Force		1.0	mm (≥ 0.6 mm)
Internal Resistance		410	ohm
Inductance		400	mH

REMARKS



 audio-technica

DATE

APPROVED

CHECKED

DRWG.

'83 · 2 · 22

Y. Hayashi

Sh. Sato

Y. Hayashi

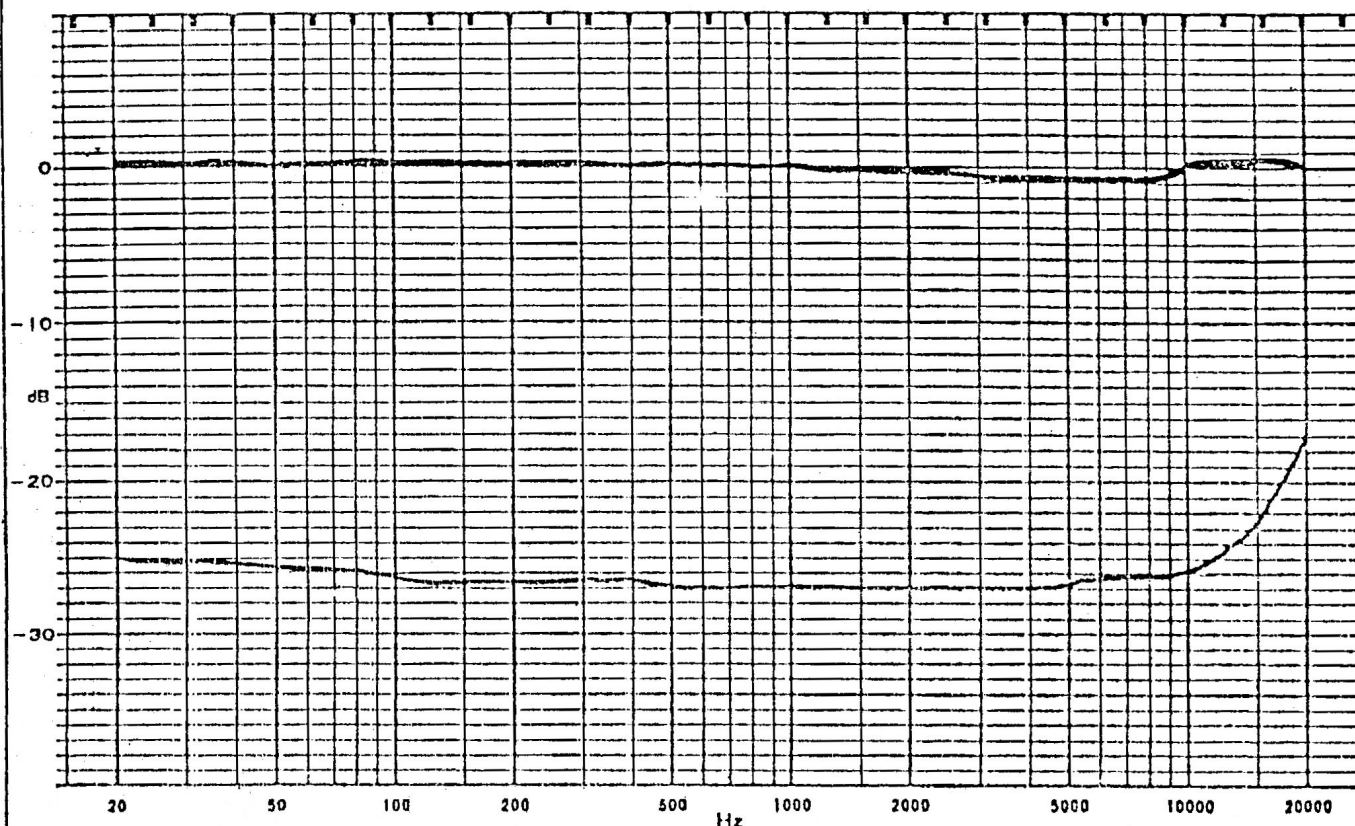
STEREO PHONOGRAPH CARTRIDGE

MODEL NUMBER AT71(CN-2411)

DRWG. NO. 5137

PAGE 2 OF 2

Typical Frequency Response and Channel Separation



TEST CONDITIONS

Ambient Temperature 23°C, Relative Humidity 65%

USING TEST RECORD

Frequency Response and Channel Separation

JVC. TRS-1007

Output Voltage and Channel Balance

DIN 45543

Dynamic Compliance

DIN 45549

Tracking Ability (315Hz and 10kHz/250Hz, V_{eff} 8.8 cm/s Band)

DIN 45549

FIM Distortion (-6dB Band)

DIN 45542

Vertical Tracking Angle

DIN 45542

USING TEST TONEARM

audio technica: AT-1010 or equivalent model.

Measurements are to be taken at Nominal tracking force, Unless otherwise specified.

ETC.

Hum Sensitivity: Measured with pick-up positioned for maximum Sensitivity in 1 oersted 50Hz field.