

TECHNISCHE DATEN NAGAOKA TONABNEHMER

Cartridge and Stylus	MP-500	MP-300	MP-200	MP-150	MP-110	MP-100	JT-80BK	JT-80LB
Model	MP-500	MP-300	MP-200	MP-150	MP-110	MP-100	JT-80BK	JT-80LB
Type	Moving Permalloy	Moving Permalloy	Moving Permalloy	Moving Permalloy	Moving Permalloy	Moving Permalloy	Moving Magnet MM	Moving Magnet MM
Frequency Response	20-25,000 Hz	20-25,000 Hz	20-23,000 Hz	20-20,000 Hz	20-20,000 Hz	20-20,000 Hz	20-20,000 Hz	20-20,000 Hz
Vertical Tracking Angle	30 °	30 °	30 °	30 °	30 °	30 °		
Vertical Tracking Force	1.3 – 1.8 g	1.3 – 1.8 g	1.5 – 2.0 g	1.5 – 2.0 g	1.5 – 2.0 g	1.8 – 2.0 g	1.3 – 1.8 g	1.3 – 1.8 g
Recommended VTA (VTF)	1.3 g	1.5 g	1.5 g	1.8 g	2.0 g	2.0 g	1.8 g	1.5 g
Stylus Construction	Naked diamond, square shrank	Naked diamond, square shrank	Naked diamond, square shrank	Naked diamond, square shrank	Bonded diamond, round shrank	Bonded diamond, round shrank ?	Naked diamond, square shrank	Bonded diamond, round shrank ?
Stylus Shape	Superfine polished line-contact	Superfine polished elliptical	Elliptical	Elliptical	Elliptical	Spherical	Elliptical	Elliptical
Stylus Curvature Radius	0.3 x 0.5 mil (about)	0.4 x 0.7 mil	0.4 x 0.7 mil	0.4 x 0.7 mil	0.4 x 0.7 mil	0.6 mil	0.4 x 0.7 mil	0.4 x 0.7 mil
Recommended Load Impedance	Min. 47K ohms (when head amplifier is connected)	Min. 47K ohms (when head amplifier is connected)	Min. 47K ohms (when head amplifier is connected)	Min. 47K ohms (when head amplifier is connected)	Min. 47K ohms (when head amplifier is connected)	Min. 47K ohms (when head amplifier is connected)	Min. 47K ohms (when head amplifier is connected)	Min. 47K ohms (when head amplifier is connected)
Recommended Load Capacitance	100 pF	100 pF	100 pF	100 pF	100 pF	100 pF	100 pF	100 pF
Coil Impedance								
DC Resistance								
Coil Inductance								
Output Voltage	3.0 mV (at 1 kHz, 5 cm/sec)	3.0 mV (at 1 kHz, 5 cm/sec)	4.0 mV (at 1 kHz, 5 cm/sec)	4.5 mV (at 1 kHz, 5 cm/sec)	5.0 mV (at 1 kHz, 5 cm/sec)	5.0 mV (at 1 kHz, 5 cm/sec)	3.0 mV (at 1 kHz, 5 cm/sec)	5.0 mV (at 1 kHz, 5 cm/sec)
Output Channel Balance	Better than 1.0 dB (1 kHz)	Better than 1.0 dB (1 kHz)	Better than 1.5 dB (1 kHz)	Better than 1.5 dB (1 kHz)	Better than 1.5 dB (1 kHz)	Better than 1.5 dB (1 kHz)	Better than 1.0 dB (1 kHz)	Better than 1.5 dB (1 kHz)
Channel Separation	Better than 27 dB (1 kHz)	Better than 25 dB (1 kHz)	Better than 25 dB (1 kHz)	Better than 24 dB (1 kHz)	Better than 23 dB (1 kHz)	Better than 23 dB (1 kHz)	Better than 25 dB (1 kHz)	Better than 23 dB (1 kHz)
Cantilever	Low-mass, high strength Boron cantilever 7 mm	Low-mass, high strength Boron cantilever 7 mm	Boron, 0.28mm diameter	Harened lapered Aluminium, 0.5mm diameter	Aluminium, 0.5 mm diameter	Aluminium, 0.5 mm diameter	Boron, 0.28 mm diameter	Aluminium alloy, 0.6 mm diameter
Static Compliance								
Dynamic Compliance	8.5 x 10-6 cm/dyne (100 Hz)	7.2 x 10-6 cm/dyne (100 Hz)	7.2 x 10-6 cm/dyne (100 Hz)	6 x 10-6 cm/dyne (100 Hz)	6 x 10-6 cm/dyne (100 Hz)	5.5 x 10-6 cm/dyne (100 Hz)	7.3 x 10-6 cm/dyne (100 Hz)	7.3 x 10-6 cm/dyne (100 Hz)
Mounting	Half-inch	Half-inch	Half-inch	Half-inch	Half-inch	Half-inch	Half-inch	Half-inch
Cartridge Weight	7.8 g	7.8 g	6.5 g	6.5 g	6.5 g	6.5 g	6.7 g	6.9 g
Cartridge & headshell Weight	26.1 g	26.1 g	16.5 g	16.5 g	16.5 g	16.5 g		
Wire Used for Coil	High Purity Copper Wire (φ0.04 3UEW)	High Purity Copper Wire (φ0.04 3UEW)	High Purity Copper Wire (φ0.04 3UEW)	High Purity Copper Wire (φ0.04 3UEW)	High Purity Copper Wire (φ0.04 3UEW)	High Purity Copper Wire (φ0.04 3UEW)	High Purity Copper Wire (φ0.04 3UEW)	High Purity Copper Wire (φ0.04 3UEW)
Body Material	Anti-ferro magnetic permalloy shield casing aluminum	Anti-ferro magnetic permalloy shield casing aluminum	Anti-ferro magnetic permalloy shield casing ABS resin	Anti-ferro magnetic permalloy shield casing ABS resin	Anti-ferro magnetic permalloy shield casing ABS resin	Anti-ferro magnetic permalloy shield casing ABS resin	Anti-ferro magnetic permalloy shield casing ABS resin	Anti-ferro magnetic permalloy shield casing ABS resin
Mounting Feature	Half-inch mount	Half-inch mount	Half-inch mount	Half-inch mount	Half-inch mount	Half-inch mount	Half-inch mount	Half-inch mount
Terminal Pins	Brass (gold plated)	Brass (gold plated)	Brass (gold plated)	Brass (gold plated)	Brass (gold plated)	Brass (gold plated)	Brass (gold plated)	Brass (gold plated)
Dimensions	18.0 mm H x 17.0 mm W x 28.6 mm D	18.0 mm H x 17.0 mm W x 28.6 mm D	18.0 mm H x 17.0 mm W x 28.6 mm D	18.0 mm H x 17.0 mm W x 28.6 mm D	18.0 mm H x 17.0 mm W x 28.6 mm D	18.0 mm H x 17.0 mm W x 28.6 mm D	19.0 mm H x 18.0 mm W x 25.7 mm D	19.0 mm H x 18.0 mm W x 25.7 mm D
Accessories Included (cartridge only)	non-magnetic screwdriver & hex screwdriver	non-magnetic screwdriver & hex screwdriver	non-magnetic screwdriver	non-magnetic screwdriver	non-magnetic screwdriver	non-magnetic screwdriver	non-magnetic screwdriver	non-magnetic screwdriver
	2 washers & 2 nuts	2 washers & 2 nuts	2 washers & 2 nuts	2 washers & 2 nuts	2 washers & 2 nuts	2 washers & 2 nuts	cartridge installation screws	cartridge installation screws
	cartridge installation screws	cartridge installation screws	cartridge installation screws	cartridge installation screws	cartridge installation screws	cartridge installation screws	6 mm x 2.8 mm x 2	6 mm x 2.8 mm x 2
	10 mm x 2.8 mm x 2	10 mm x 2.8 mm x 2	10 mm x 2.8 mm x 2	10 mm x 2.8 mm x 2	10 mm x 2.8 mm x 2	10 mm x 2.8 mm x 2	plastic protector	plastic protector
	13 mm x 2.8 mm x 2	13 mm x 2.8 mm x 2	13 mm x 2.8 mm x 2	13 mm x 2.8 mm x 2	13 mm x 2.8 mm x 2	13 mm x 2.8 mm x 2		
Accessories Included (cartridge +Headshell)	hex screwdriver, plastic protector	hex screwdriver, plastic protector	plastic protector	plastic protector;	plastic protector;	plastic protector	Threaded cartridge mounting holes allow easy installation	Threaded cartridge mounting holes allow easy installation