

2M Moving Magnet Cartridges



TECHNICAL DATA	2M 78 2M 78 Verso 2M 78 PnP	2M Mono 2M Mono Verso 2M Mono PnP	2M Red 2M Red Verso 2M Red PnP	2M Blue 2M Blue Verso 2M Blue PnP	2M Bronze 2M Bronze Verso 2M Bronze PnP	2M Black 2M Black Verso 2M Black PnP
Output voltage at 1 kHz, 5cm/sec.	4 mV	4 mV	5.5 mV	5.5 mV	5 mV	5 mV
Channel balance at 1 kHz	-	-	1.5 dB	1.5 dB	1 dB	1 dB
Channel separation at 1 kHz	-	-	22 dB	25 dB	26 dB	26 dB
Channel separation at 15 kHz	-	-	15 dB	15 dB	15 dB	15 dB
Frequency range at -3 dB	20-20,000 Hz	20-22,000 Hz	20-22,000 Hz	20-25,000 Hz	20-29,000 Hz	20-31,000 Hz
Frequency response	20-20,000 Hz +3/-1 dB	20-20,000 Hz +3/-1 dB	20-20,000 Hz +3/-1 dB	20-20,000 Hz +2/-1 dB	20-20,000 Hz +2/-0 dB	20-20,000 Hz +2/-0 dB
Tracking ability at 315 Hz at recommended tracking force	70 µm	70 µm	70 µm	80 µm	80 µm	80 µm
Compliance, dynamic, lateral	18 µm/mN	18 µm/mN	20 µm/mN	20 µm/mN	22 µm/mN	22 µm/mN
Stylus type	Spherical	Nude Spherical	Elliptical	Nude Elliptical	Nude Fine Line	Nude Shibata
Stylus tip radius	R 65 µm	R 18 µm	r/R 8/18 µm	r/R 8/18 µm	r/R 8/40 µm	r/R 6/50 µm
Tracking force range	1.6-2.0 g (16-20 mN)	1.6-2.0 g (16-20 mN)	1.6-2.0 g (16-20 mN)	1.6-2.0 g (16-20 mN)	1.4-1.7 g (14-17 mN)	1.4-1.7 g (14-17 mN)
Tracking force, recommended	1.8 g (18 mN)	1.8 g (18 mN)	1.8 g (18 mN)	1.8 g (18 mN)	1.5 g (15 mN)	1.5 g (15 mN)
Tracking angle	20°	20°	20°	20°	20°	20°
Internal Impedance, DC resistance	0.7 kOhm	0.7 kOhm	1.3 kOhm	1.3 kOhm	1.2 kOhm	1.2 kOhm
Internal inductance	350 mH	350 mH	700 mH	700 mH	630 mH	630 mH
Recommended load resistance	47 kOhm	47 kOhm	47 kOhm	47 kOhm	47 kOhm	47 kOhm
Recommended load capacitance	150-300 pF	150-300 pF	150-300 pF	150-300 pF	150-300 pF	150-300 pF
Cartridge colour, body/stylus	Black/Grey	Black/White	Black/Red	Black/Blue	Black/Bronze	Black/Black
2M / 2M Verso cartridge weight without screws	7.2 g	7.2 g	7.2 g	7.2 g	7.2 g	7.2 g
2M PnP cartridge weight	20 g	20 g	20 g	20 g	20 g	20 g
Replacement stylus unit	2M 78	2M Mono	2M Red	2M Blue	2M Bronze	2M Black
Interchangeable with	 2M Mono	 2M 78	 2M Blue	 2M Red	 2M Black	 2M Bronze