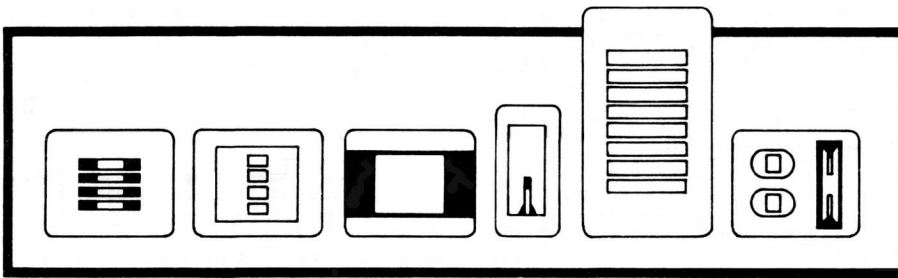




We make things read/write

Nortronics Magnetic Head Specifications



These specifications cover a partial line of NORTRONICS audio, duplicator, and studio replacement heads, listed in numerical order by their part number. Included are heads for use on the .150-inch cassette tape, 1/4-inch, 1/2-inch, 1-inch, and 2-inch tapes.

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DURACORE - Nortronics pioneered this long-wearing core material which gives up to ten times the life of conventional permalloy. Unfortunately, Nortronics is no longer manufacturing, however some of the heads listed in this section are still available with Duracore material.

RECORD/ PLAYBACK RECORD	MAGNETIC HEADS 1/4-INCH TAPE		RCD MODEL NO., NO MOUNT	Outline Drawing & Case Size	Rear Mount NORTRONICS Head Model No.	Rear Mount Drawing No.	OEM NORTRONICS Head No. (*Rear Mount Head No.)	Head Function	Application Notes	Inductance, 1kHz (ohms)	Impedance, 1 kHz (ohms)	Resistance, DC (ohms)	Gap Spacer	Crosstalk Rejection, 1 kHz	7.5 IPS unequalized R/P response using 3M176 tape, pk biased at 1 kHz, 12 dB below tape saturation					NRZ digital read/write data, 7.5 IPS, 200 BPI	
	Peak Bias 1 100 kHz rms	Peak Bias V. 100 kHz rms													Audio Record Current rms	1 kHz Play Output rms (mV)	10 kHz/1 kHz Output Ratio (db)	Write Current (P-P, mA)	Read Output 200 BPI (P-P mV)	Max. Read Pack Dens. (BPI)	
PREMIUM 4-track Stereo Heads B case, laminated cores, hyperbolic faces. .043-inch (1.1-mm) tracks (2) .136-inch (3.45-mm) center-to-center track spacing.	1200	1B	1250	58	P-B2Q2K	RP	1	800	5000	750	100	50	0.2	75	25	2.5	+4	-	52	1600	
	1201	1B	1251	58	P-B2Q7K	RP	2	400	2600	400	100	50	0.3	67	30	1.6	+4	1.6	36	1600	
	1202	1B	1252	58	P-B2Q4K	R	2	100	700	100	100	50	0.7	30	65	.85	+3	3.1	24	1600	
	1203	1B	1253	58	P-B2Q4R	R	3	50	350	100	500	50	0.7	28	60	-	-	2.7	18	400	
	1204	1B	-	-	See #8614	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1205	1B	1255	58	P-B2Q7R	R	3	230	1300	410	500	50	0.3	33	30	-	-	1.7	36	400	
	1207	1B	1257	58	P-B2Q6K	RP	2	200	1300	215	100	50	0.4	35	40	1.3	+3	2.2	26	1600	
	1210	1B	-	-	P-B2Q8R	R	4	10	70	32	500	50	2.0	7.5	130	-	-	6.2	9	400	
	1221	1B	1271	58	P-B2Q7F	P	6	500	3500	315	50	50	-	-	-	1.3	+4	-	-	-	
	1222	1B	-	-	P-B2Q8F	P	5	20	130	24	50	50	-	-	-	0.3	+1	6.2	8	1600	
	PREMIUM 2 track Stereo Heads B case, laminated cores, hyperbolic faces. .080-mch (2.0-mm) tracks (2) .160-inch (4.0-mm) center-to-center track spacing.	2000	20B	2050	58	P-B2H2K	P	1	800	5000	700	100	50	-	-	-	3.0	+5	1.3	72	1600
		2001	20B	2051	58	P-B2H7K	RP	2	400	2500	440	100	50	0.35	65	40	2.6	+5	1.8	48	1600
2002		20B	2052	58	P-B2H4K	RP	2	100	700	120	100	50	0.7	35	70	1.3	+3	3.6	24	1600	
2003		20B	2053	58	P-B2H4R	R	3	50	340	120	500	50	0.65	20	80	-	-	3.4	24	400	
2004		20B	-	-	P-B2H11R	R	4	1.5	10	4	500	50	6.0	4.5	470	-	-	20.0	6	400	
2005		20B	2055	58	P-B2H7R	R	3	200	1300	410	500	50	0.4	40	40	-	-	1.8	48	400	
2007		20B	2057	58	P-B2H6K	RP	2	200	1400	230	100	50	0.65	52	60	1.8	+4	2.7	36	1600	
2010		20B	2060	58	P-B2H8R	R	4	10	75	30	500	50	2.0	10	170	-	-	9.0	12	400	
2021		20B	-	-	P-B2H7F	P	6	400	2500	400	50	50	-	-	-	2.5	+5	-	-	-	
2056†		-	2056	58	P-B2H7K-R6*	RP	8	400	2500	410	100	50	0.4	65	40	2.6	+4	-	-	-	
STANDARD 2 track Mono Heads G case, laminated cores, hyperbolic faces. .080-inch (2.0-mm) single track. Located 0.20-inch (0.5-mm) below center on head face.	3100	19G	-	-	G1HY2K	RP	9	800	5000	390	100	-	0.4	100	30	3.4	-3	1.3	70	1600	
	3101	19G	-	-	G1HY5L	RP	9	440	2800	340	160	-	0.5	60	40	3.0	-3	1.5	55	800	
PREMIUM 2 track Mono Heads G case, laminated cores, hyperbolic faces. .080-inch (2.0-mm) single track. Located .080 (2.0- mm) off center on head face. (Full offset, so head may be inverted to pickup other track.)	3200	18G	3250	58	P-G1H2K	P	1	800	5000	390	100	-	0.3	90	30	3.6	+5	1.3	72	1600	
	3201	18G	3251	58	P-G1H7K	RP	2	400	2500	160	100	-	0.3	70	40	2.6	+5	1.8	48	1600	
	3202	18G	3252	58	P-G1H4K	RP	2	100	700	70	100	-	0.7	35	70	1.3	+4	3.6	24	1600	
	3203	18G	3253	58	P-G1H4R	R	R	50	320	70	500	-	0.9	25	75	-	-	3.4	24	400	
	3205	18G	3255	58	P-G1H7R	R	R	200	1300	150	500	-	0.4	40	40	-	-	1.8	48	400	
Special Miniature single channel heads. "Special L" are laminated. "M" solid core.	4950†	46 L	4950	46 L	L24R8L5-R*	RP	10	40	280	130	0.16	-	0.4	10	50	0.5	+2	2.2	8	800	
	4951†	46 L	-	-	AL42R1L3-B4	P	11	425	2800	600	0.16	-	-	-	-	1.2	+3	-	-	-	
	4952†	46 L	4952	46 L	L42R8L-R*	RP	12	80	520	135	0.16	-	0.5	20	55	0.9	+3	3.1	18	800	
	4953†	49M	-	-	M90E3U4-R*	E	13	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4954†	49M	4954	49M	M70R4L4-R*	RP	14	20	150	80	0.16	-	0.3	20	125	0.7	0	15.0	12	800	
	4955†	50M	-	-	M70R5L6-B	RP	14	200	1500	700	0.16	-	1.0	50	40	2.1	+2	5.0	40	800	
	4956†	50M	-	-	L42R5K55-B	RP	15	220	1500	250	0.1	-	0.4	35	35	1.0	+3	2.0	25	1600	