

Magnetic Head Specifications

SPECIAL HEADS	RCD MODEL NO., NO MOUNTS (Heads have mounts)	Outline Drawing & Case Style	Rear Mount NORTONICS Head Model No.	Rear Mount Drawing No.	OEM NORTONICS Head No. (*Rear Mount Head No.)	Head Function	Application Notes	Inductance, 1kHz (mH)	Impedance, 1 kHz (ohms)	Resistance, DC (ohms)	Gap Spacer	Crosstalk Rejection (db)	7.5 IPS unequalized R/P response using 3M176 tape pk biased at 1 kHz, 12 dB below tape saturation.					NRZ digital write/read data, 7.5 IPS, 200 BPI		
													Peak Bias 1 100 kHz rms (mA)	Peak Bias V. 100 kHz rms (V)	Audio Record Current rms (µA)	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)
2-Track Stereo Play, C-size	7251†	23C	7251	58	P-C2H7K-R5*	RP	29	400	2500	440	100	50	0.35	65	40	2.6	+5	1.8	48	1600
2-Track Stereo Record, C-size	7252†	23C	7252	58	P-C2H4R-R5*	R	29	50	340	120	500	50	0.65	20	80	-	-	3.4	24	400
3-Track Record, C-size	7253†	-	7253	58	P-C3Q4R-R5*	R	29	50	410	260	500	50	0.7	17	60	-	-	2.7	18	400
Mono 80-mil Relieved Track	7402†	18G	7402	58	P-G1H7K19-R*	RP	30	400	2500	160	100	-	0.3	70	40	2.6	5	1.8	48	1600
Mono 80-mil Play, Lower Track	7405L†	18G	-	-	T1H7K24-9B52D	RP	31	400	2600	175	100	-	0.8	75	40	2.4	+1	1.8	48	1600
Mono 80-mil Play, Upper Track	7405U†	18G	-	-	T1H7K24-9B52U	RP	31	400	2600	175	100	-	0.8	75	40	2.4	+1	1.8	48	1600
Mono 80-mil Play	7406	19G	-	-	G1HY5L26-N	RP	2	390	2500	340	160	-	0.3	40	30	3.5	0	1.5	55	800
Mono 80-mil Hi-out. Play	7410	15B	-	-	B1HC27L-N	P	1	4000	25K	2.4K	160	-	-	-	-	10	-5	-	150	800
Deep-relief 80-mil Play	7411	15B	-	-	B1HC27L57-N	P	32	4000	25K	2.4K	160	-	-	-	-	10	-5	-	150	800
Mono Relieved 80-mil Track	7413†	16B	-	59	B1HY7K19-BU	RP	32	400	2600	410	100	-	0.8	75	40	2.4	+1	1.8	48	1600
80-mil Low-impedance Wide-gap	7420†	19G	-	-	T1HY22T10-B24	R	33	1.8	12	3.5	2K	-	11	6.5	45	-	-	-	-	-
Duo-diagonal .043-inch Track	7422	-	-	-	(IVC) H800148	RP	34	400	2600	240	100	50	-	4	45	30	1.5	+3	-	-
200-mil 16-mm Film Record	7425	31B	-	-	PR-B1F5N72-N	R	35	4	26	5	200	-	8.5	12	750	0.6	+1	26	12	800
200-mil 16-mm Film Play	7426	31B	-	-	PR-B1F7K72-N	P	35	400	2800	225	100	-	-	-	-	-	-	-	60	800
80-mil Play, Tapped Mounting Holes	7427	16B	-	-	P-B1HY7K-XN2	P	36	400	2500	160	100	-	0.3	70	40	2.6	+5	1.8	48	1600
80-mil Mono Play	7456†	19G	7456	58	G1HY2K-R	P	1	800	5000	400	100	-	-	-	-	3.4	+1	1.3	72	1600
80-mil Play, C-case	7466†	53C	7466	58	C1HY7K-R5	RP	2	400	2600	410	100	-	0.8	75	40	2.4	+1	1.8	48	1600
4-Track Stereo RP, Special Stud	7601†	1B	-	-	P-R2Q7K7-B6	RP	37	400	2600	400	100	50	0.3	67	30	1.6	+4	1.6	36	1600
4-Track Stereo RP, Tapped Hole	7602	1B	-	-	P-B2Q4F17-N9	RP	38	150	950	100	50	50	0.8	45	60	0.8	+3	3.1	24	1600
B-case Dummy Head	7605	52B	7655	58	Dummy Head	-	39	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Track Stereo RP, G-case	7608	3G	7858	58	P-G2Q7K-NO	RP	2	400	2600	400	100	50	0.3	67	30	1.6	+4	1.6	36	1600
4-ch. RP, Special Mounting Plate	7609	36B	-	-	P8QL4K-39B38	RP	40	100	690	270	100	35	.55	25	45	0.4	-9	2.3	10	1600
.043-inch Mono Play	7610	4B	-	-	P-B1QY6F2	P	41	210	1300	165	50	-	-	-	-	1.2	+4	2.2	26	1600
1-inch Ferrite Erase	7721	47RX	-	-	H806036	E	42	-	-	-	-	-	-	-	-	-	-	-	-	-

See Erase Head Section for specifications

PROFESSIONAL HEADS	B-size Case 1/4-inch Tape Deposited Quartz Gaps Hyperbolic Metal Faces Laminated Cores Extended Low Frequencies NAB Track Standards	RCD MODEL NO., NO MOUNTS (Heads have mounts)	Outline Drawing & Case Style	OEM NORTONICS Head No. (*Rear Mount Head No.)	Head Function	Application Notes	Inductance, 1kHz (mH)	Impedance, 1 kHz (ohms)	Resistance, DC (ohms)	Gap Spacer	Crosstalk Rejection (db)	7.5 IPS unequalized R/P response using 3M206 tape, pk-biased at 1 kHz, 12 dB below tape saturation.					NRZ digital write/read data, 7.5 IPS, 200 BPI		
												Peak Bias 1 100 kHz rms (mA)	Peak Bias V. 100 kHz rms (V)	Audio Record Current rms (µA)	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)
W & P Series 2-Track Stereo format .080-inch (2.0-mm) Track Width .160-inch (4.0-mm) C-C Track Spacing WP Series play heads have low frequency play response down to 25 Hz at 7.5 ips tape speed	8200	21B	WP-82H2K	P	1	800	5400	590	100	50	-	-	-	2.5	+4	-	72	1600	
	8201	20B	P-B2H8R	R	4	10	2700	27	500	50	2.2	10	180	-	-	-	9.0	12	400
	8202	21B	WP-B2H6K	RP	2	200	1300	215	100	50	0.7	60	60	1.8	+3	2.7	36	1600	
	8203	20B	P-B2H3R	R	3	30	200	75	500	50	1.2	25	100	-	-	-	3.5	22	400
	8204	20B	P-B2H4R	R	3	50	340	120	500	50	0.8	22	80	-	-	-	3.4	24	400
	8205	21B	WP-82H7K12-3N2	P	43	400	2500	350	100	50	0.5	90	40	2.0	+4	1.8	48	1600	
	8206	20B	P-B2H37R12-3N	R	43	3.0	23	14	500	50	4.4	5.5	350	-	-	-	5.0	25	400
	8207	21B	WP-B2H37N	RP	5	5.0	33	14	200	50	5.7	10	400	0.4	+1	4.0	28	400	
	8208	21B	WP-B2H7F	P	1	400	2500	310	50	50	-	-	-	1.9	+5	-	45	2400	
	8209	21B	WP-B2H7K	RP	2	400	2500	350	100	50	0.5	90	40	2.0	+4	1.8	48	1600	
	8210	21B	WP-B2H8K	RP	5	20	120	28	100	50	2.4	20	160	0.6	+3	8.0	12	1600	
	8214	-	Use #9214	R	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
W & P Series 2-Track Mono Format .080-inch (2.0-mm) Track Width Track located .040-inch (1.0-mm) from face center WP Series play heads have low frequency play response down to 25 Hz at 7.5 ips tape speed	8400	17B	WP-B1HY2K	P	1	800	5300	325	100	-	-	-	2.5	+4	-	72	1600		
	8401	16B	P-B1HY8R	R	4	10	70	27	500	-	2.2	10	180	-	-	-	9.0	12	400
	8402	17B	WP-B1HY8K	RP	5	20	120	28	100	-	2.4	20	160	0.6	+3	8.0	12	1600	
	8403	17B	WP-B1HY7K	RP	2	400	2500	140	100	-	0.5	90	40	2.0	+4	1.8	48	1600	
	8404	16B	P-B1HY4R	R	3	50	320	70	500	-	0.9	25	75	-	-	-	3.4	24	400
	8406	17B	WP-B1HY7F	P	1	400	2500	310	50	-	-	-	-	1.9	+5	-	45	2400	
	8408	16B	P-B1HY6K24	RP	2	200	1.3K	95	100	-	0.7	50	60	1.8	+4	2.7	36	1600	
	8409	17B	WP-B1HY9K	RP	5	10	65	20	100	-	3.4	13	250	0.4	+3	12.0	9	1600	
	8414	16B	P-B1HY14R	R	4	2	15	5.5	500	-	5.0	3.5	250	-	-	-	18.0	7	400
	8600	2B	WP-B2Q2K	P	1	800	5000	640	100	50	-	-	-	2.2	+4	-	52	1600	
8601	1B	WP-B2Q7F	P	1	500	3200	315	50	50	-	-	-	1.3	+5	-	36	2400		
8602	1B	P-B2Q3R	R	3	30	200	56	500	50	1.1	14	90	-	-	-	3.0	15	400	
8603	1B	P-B2Q4R	R	3	50	350	100	500	50	0.7	28	60	-	-	-	2.7	18	400	
8604	1B	P-B2Q8R	R	4	10	70	32	500	50	2.0	8	130	-	-	-	6.2	9	400	
8606	2B	WP-B2Q4-K	RP	2	100	640	100	100	50	0.8	30	55	0.8	+3	3.1	24	1600		
8607	2B	WP-B2Q6K	RP	2	200	1300	190	100	50	0.5	45	45	1.2	+4	2.2	26	1600		
8608	2B	WP-B2Q7K	RP	2	400	2500	350	100	50	0.4	60	30	1.6	+4	1.6	36	1600		
8609	2B	WP-B2Q5L	RP	5	5	32	6	160	50	4.0	7	300	0.15	+3	12.0	4	1600		
8610	2B	WP-B2Q8K	RP	5	20	130	32	100	50	2.2	11	140	0.3	+3	6.2	8	1600		
8614	1B	P-B2Q14R	R	4	2	15	6	500	50	4.0	3	300	-	-	-	15.0	3	400	
8618	2B	WP-B2Q18N	RP	5	8	65	40	200	50	3.0	9	210	0.35	0	13.0	4	400		
"PRO" Series Full Track Mono 240-inch (6.1mm) Track Width PRO Series play heads have low frequency play response down to 25 Hz at 15 ips tape speed	9102	31B	PR-B1F2K	P	1	650	4200	400	100	-	-	-	5.0	+3	-	75	800		
	9103	31B	PR-B1F8R	R	4	10	65	10	500	-	4.5	25	400	-	-	-	14.0	22	400
	9104	31B	PR-B1F11R	R	4	4	26	3.3	500	-	9.0	14	650	-	-	-	22.0	14	400
	9105	31B	PR-B1F4R	R	3	50	310	60	500	-	1.3	50	180	-	-	-	4.5	26	400
	9106	31B	PR-B1F9K	RP	5	10	65	15	100	-	10.0	30	600	0.6	0	25.0	12	800	
	9107	31B	PR-B1F3R12-3N2	R	43	30	190	19	500	-	1.8	30	180	-	-	-	8.0	40	400
	9108	31B	PR-B1F7K12-3N2	P	43	400	2500	195	100	-	-	-	-	4.7	+3	-	60	800	
	9109	31B	PR-B1F5L	RP	5	5	25	5	160	-	12.0	17	720	0.7	0	26.0	12	800	
	9110	31B	PR-B1F4K	RP	2	100	650	100	100	-	1.5	100	180	2.0	+2	4.5	26	800	