

# Magnetic Head Specifications

RECORD/PLAY PLAYBACK RECORD	MAGNETIC HEADS 1/4-INCH TAPE (continued)										3.75 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			
	RCD MODEL NO., NO MOUNTS (*Heads have mounts)	Outline Drawing & Case Style	Rear Mount NORTRONICS Head Model No.	Rear Mount Drawing No.	OEM NORTRONICS 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)	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)	Max. Read Pack. Dens. (BPI)
<b>8 TRACK STEREO Heads for 1/4-inch Tape</b> Standard Models: 0.18-inch (.46-mm) Track Width (2) .127-inch (.323 mm) C-C Track Spacing	5800	35B	5850	58	B2L7K	RP	2	430	3000	730	100	50	0.3	35	16	.8	-.9	1.2	18	1600
	5801	35BX	-	-	H899019	P	20	430	3000	800	100	50	0.3	35	16	.8	-.9	1.2	18	1600
<b>PREMIUM 8 TRACK Stereo heads with fine laminations for improved H.F. performance</b> .021-inch (.53-mm) Track Width (2) .127-inch (3.23 mm) C-C Track Spacing	5810	358	-	-	P-B2L8R	R	4	10	70	35	500	50	1.3	5.5	90	-	-	4.0	6	400
	5811	35B	-	-	P-B2L7K	RP	2	450	3000	650	100	50	0.2	50	20	.8	-.7	1.2	18	1600
	5813	35B	-	-	P-B2L4R	R	3	50	355	165	500	50	0.45	10	40	-	-	1.8	10	400
<b>4-CHANNEL 8-TRACK Heads for 1/4-inch tape</b> Two staggered heads may be used to generate all 8 tracks on the tape. .021-inch (0.53-mm) Track Width (4) .0635-inch (1.62-mm) C-C Track Spacing	5832	36B	-	-	P-BQL6K	RP	2	200	1350	480	100	35	-	-	-	0.6	-.9	1.6	14	1600
	5833	36B	-	-	P-BQL4K	RP	2	100	690	270	100	35	.55	25	45	0.4	-.9	2.3	10	1600
	5834	36B	-	-	P-BQL4R	R	3	50	390	225	500	35	.75	30	60	-	-	2.3	10	400
	5835	36B	-	-	P-BQL8R	R	4	10	90	60	500	35	2	8.5	140	-	-	4.0	6	400
	5836	36B	-	-	P-BQL14R	R	4	2	20	15	500	35	3	3	300	-	-	8	4	400
	5837	36B	-	-	P-BQL7K	P	2	330	2300	760	100	35	-	-	-	-.75	-.9	1.2	18	1600
	5840	36B	-	-	PC-BQL8K	P	5	20	150	45	0.1	50	-	-	-	.15	-.7	4	6	400
<b>PREMIUM 4-CHANNEL 8-TRACK Heads for 1/4-inch tape</b> Two heads may be used for all 8 tracks, incorporate better interchannel shielding for improved crosstalk rejection in duplicator applications. .021-inch (0.53-mm) Track Width (4) .0635-mch (1.62-mm) C-C Track Spacing	5841	36B	-	-	PC-BQL8R	R	4	10	70	30	0.5	50	1.6	8	130	-	-	4	6	400
	5842	36B	-	-	PC-BQL6K	RP	2	200	1300	290	0.1	50	.55	35	35	.45	-.7	1.6	14	1600
	5843	36B	-	-	PC-BQL14R	R	4	2	15	10	0.5	50	3.8	3.8	320	-	-	8	4	400
	5844	36B	-	-	PC-BQL4K	RP	2	100	700	130	0.1	50	.75	25	50	0.3	-.7	2.3	10	1600
	5845	36B	-	-	PC-BQL8R-B35	R	23	10	70	30	0.5	50	1.6	8	130	-	-	4	6	400
	5846	36B	-	-	PC-BQL8R-B36	R	24	10	70	30	0.5	50	1.6	8	130	-	-	4	6	400
	5847	36B	-	-	PC-BQL8K-B35	P	23	20	150	45	0.1	50	-	-	-	.15	-.7	4	6	1600
	5848	36B	-	-	PC-BQL8K-B36	P	24	20	150	45	0.1	50	-	-	-	.15	-.7	4	6	1600

"COMBO" HEADS	ERASE - RECORD/PLAY														ERASE						
	RCD MODEL NO., NO MOUNTS (*Heads have mounts)	Outline Drawing & Case Style	Rear Mount NORTRONICS Head Model No.	Rear Mount Drawing No.	OEM NORTRONICS 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)	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)	Inductance Erase 1 kHz (mH)	Resistance Erase DC (ohms)	Current rms (mA)	Volts rms 100 kHz (V)
<b>PREMIUM 4 Track Stereo "Combo" Erase-Record/Play Heads</b> Use where it is difficult or impossible to install separate erase and R/P Heads. For example, the equivalent of a three-head recorder can be achieved by use of the 6004 Combo record, and the 201 playback head. .043-inch (1.1-mm) Track Width (2) .136-inch (3.45-mm) C-C Track Spacing	6002	5B	-	-	P-A2Q47K	ERP	25	400	2600	400	100	50	0.3	67	30	1.6	+4	10	32	12	60
	6003	5B	-	-	A2Q22K	ERP	25	800	5000	750	100	50	0.2	75	25	2.5	+4	.13	1.8	100	5
	6004	5B	-	-	P-A2Q44R	ER	25	50	350	100	500	50	0.7	28	60	-	-	10	32	12	60
	6005	5B	-	-	P-A2Q46K	ERP	25	200	1300	215	100	50	0.4	35	40	1.3	+3	10	32	12	60
	6006	5B	-	-	P-A2Q48R	ER	25	10	70	32	500	50	2	7.5	130	-	-	10	32	12	60
	6007	5B	-	-	P-A2Q48K	ERP	25	20	130	32	100	50	2.2	11	140	.3	+3	10	32	12	60
	6008	5B	-	-	P-A2Q125L	ERP	25	25	160	40	160	50	1.2	13	90	.5	+3	8.5	28	14	55
6009	5B	-	-	A2Q42N2	ERP	25	500	3300	770	200	50	0.2	45	20	2.5	0	10	32	12	60	
<b>4-Track Mono Single Track Combo</b> .043-inch (3.45-mm) Track Width	6026	6B	-	-	A1QC47K	ERP	25	400	2600	400	100	-	0.5	50	25	1.6	0	10	32	12	60
<b>PREMIUM 2-Track Stereo COMBO</b> Erase-Record/Play Head .080-inch (2.0-mm) Track Width (2) .160-inch (4.0-mm) C-C Track Spacing	6100	24B	-	-	P-A2H47K	ERP	25	400	2500	440	100	50	0.35	65	40	2.6	+5	10	27	22	70
	6101	24B	6151	58	P-A2H44R	ER	25	50	340	120	500	50	0.65	20	80	-	-	10	27	22	70
	(6152)†	24B	6152	58	P-A2H47K-R6*	ERP	8	400	2500	440	100	50	0.35	65	40	2.6	+5	10	27	22	70
	6103	24B	-	-	P-A2H44K	ERP	25	100	700	120	100	50	0.7	35	70	1.3	+3	10	27	22	70
6104	24B	-	-	P-A2H48R	ER	25	10	75	30	500	50	2.0	10	170	-	-	10	27	22	70	
<b>2-Track Mono Combo Head</b> .080-inch (2.0-mm) Track Width (1) Centered Track	6126	25B	-	58	P-A1HC44R	ER	25	50	320	70	500	-	0.9	25	75	-	-	10	27	22	70
	6127	25B	6177	58	A1HC47K-R6	ERP	8	400	2500	175	100	-	0.8	75	40	2.4	+1	10	27	22	70
	(6179)†	25B	6179	58	A1HC47R-R*	ER	25	180	1150	155	500	-	0.5	40	35	-	-	10	27	22	70
	6131	25B	-	-	A1HC15L2	ERP	25	390	2500	340	160	-	0.6	70	35	2.6	0	50	130	8	150
6183†	25B	6183	58	A1HC44R-R*	ER	25	50	350	70	500	-	1	20	80	-	-	10	27	22	70	
<b>Mono Cassette Z-Combo E - RP</b> .057-inch (1.45-mm) Track Width (1)	6200†	40W	-	-	ZW1R36F-A <sup>1</sup>	ERP	26	200	1300	280	50	-	- <sup>1</sup>	-	45	0.5	-12	2.2	36	30	25
<b>2-Channel Cassette Z-Combo E - RP</b> .057-inch (1.45-mm) Track Width (1)	62011	41W	-	-	ZW2RK36F-A <sup>1</sup>	ERP	26	200	1300	280	50	45	- <sup>1</sup>	-	45	0.5	-12	2.2	36	30	25
<b>Ext. tip Z-Combo Super-8 Film</b> 0.021-inch (.53-mm) Track Width (1)	6302	48W	-	-	XZ-W1LC47K <sup>1</sup>	ERP	28	400	2600	600	100	-	- <sup>1</sup>	-	30	0.7	-15	10	75	18	60
<b>Mono F-case Z-Combo, 1 inch Video</b> .0135-inch (.34-mm) Track Width (1)	6303	-	-	-	H8001491VCZ	ERP	27	350	2400	705	100	-	- <sup>1</sup>	-	55	1.0	0	12	47	12	28
<b>Ext. tip Z-Combo E-RP</b> .021-inch (.53-mm) Track Width (1)	6304	52B	-	-	XZ-R1LC96K <sup>2</sup>	ERP	28	200	1300	465	100	-	- <sup>2</sup>	-	30	0.5	-12	8	80	20	60
<b>8-Track Stereo Z-Combo</b> 0.021-inch (.53-mm) Track Width (2)	6800	35B	-	-	Z-J2L4 7K <sup>2</sup>	ERP	26	450	3000	620	100	45	- <sup>2</sup>	-	25	0.7	-12	14	45	11	50

<sup>1</sup> Self-biased from erase section; 1.875 IPS, TP-18 Tape.  
<sup>2</sup> Self-biased from erase section; 3.75 IPS, 3M-176 Tape.