



P-BQL & PC-BQL Eight Track, Four Channel R/P .021" FOUR CHANNEL

P-BQL – PREMIUM SERIES

ELECTRICAL	MODEL NUMBER						
	P-BQL 14R	P-BQL 8R	P-BQL 4R	P-BQL 8K	P-BQL 4K	P-BQL 6K	P-BQL 7K
Head Function (Typical)	Record Only	Record Only	Record Only	Record/ Playback	Record/ Playback	Record/ Playback	Record/ Playback
Inductance - 1 kHz, millihenrys	2.0	10	50	20	100	200	330
Impedance - 1 kHz, ohms	15	95	300	150	600	1350	2800
Resistance, D.C., ohms	15	60	230	45	270	490	760
Gap Length, microinches	500	500	500	100	100	100	100
Average 7.5 IPS constant current record/playback characteristics using 3M150 tape peak biased @ 1 kHz and recorded 12 dB below tape saturation							
Peak Bias Current, 100 kHz, ma	3.0	1.6	.48	1.35	.4	0.32	0.24
Bias Voltage, RMS, 100 kHz, volts	3.0	8.3	17	11	25	26	36
Record Current, microamps	200	120	50	95	42	30	24
1 kHz Output, millivolts	—	—	—	0.25	0.5	0.8	0.9
10 kHz/1 kHz Ratio, dB	—	—	—	+1	+1	+1	+1
Average 3.75 IPS constant current record/playback characteristics using 3M150 tape peak biased @ 1 kHz and recorded 12 dB below tape saturation							
Peak Bias Current, 100 kHz, ma	2.4	1.5	.42	1.1	.35	0.27	0.22
Bias Voltage, RMS, 100 kHz, volts	2.4	7.4	15	8.8	22	24	33
Record Current, microamps	170	110	42	76	40	28	22
1 kHz Output, millivolts	—	—	—	0.20	0.4	0.6	0.7
10 kHz/1 kHz Ratio, dB	—	—	—	-10	-10	-10	-10

PC-BQL – HIGH CROSS TALK REJECTION SERIES

ELECTRICAL	MODEL NUMBER						
	PC-BQL 14R	PC-BQL 8R	PC-BQL 4R	PC-BQL 8K	PC-BQL 4K	PC-BQL 6K	PC-BQL 7K
Head Function (Typical)	Record Only	Record Only	Record Only	Record/ Playback	Record/ Playback	Record/ Playback	Record/ Playback
Inductance - 1 kHz - millihenrys	2.0	10	50	20	100	200	320
Impedance - 1 kHz - ohms	15	95	400	150	700	1400	2600
Resistance, D. C., ohms	10	30	270	45	135	290	440
Gap Length, microinches	500	500	500	100	100	100	100
Average 7.5 IPS constant current record/playback characteristics using 3M150 tape peak biased @ 1 kHz and recorded 12 dB below tape saturation							
Peak Bias Current, 100 kHz, ma	3.6	1.5	0.5	1.35	0.6	0.4	0.31
Bias Voltage, RMS, 100 kHz, volts	3.5	6.0	18	11	25	35	48
Record Current, microamps	250	110	42	95	42	31	24
1 kHz Output, millivolts	—	—	—	0.22	0.5	0.6	0.75
10 kHz/1 kHz Ratio, dB	—	—	—	+1	+1	+1	+1
Average 3.75 IPS constant current record/playback characteristics using 3M150 tape peak biased @ 1 kHz and recorded 12 dB below tape saturation							
Peak Bias Current, 100 kHz, ma	3.0	1.4	0.45	1.23	0.55	0.3	0.24
Bias Voltage, RMS, 100 kHz, volts	3.1	5.3	16	9.8	22	31	40
Record Current, microamps	230	100	40	90	40	30	23
1 kHz Output, millivolts	—	—	—	0.20	0.4	0.5	0.5
10 kHz/1 kHz Ratio, dB	—	—	—	-8	-8	-8	-8