



## P-A1QC & A1QC Quarter Track Mono Combination Erase and R/P

ELECTRICAL (R/P SECTION)	STANDARD SERIES		PROFESSIONAL SERIES	
	MODEL NUMBERS		MODEL NUMBERS	
	A1QC 17K	A1QC 47K	P-A1QC 44R	P-A1QC 46K
Head Function	Record/ Playback	Record/ Playback	Record Only	Record Playback
Inductance - 1 kHz, millihenrys	400	400	50	200
Impedance - 1 kHz - ohms	2,300	2,300	400	1,300
Resistance, D.C., mono, ohms	240	240	100	135
Gap Length, microinches	100	100	500	100
<b>Average 7.5 IPS constant current record/playback characteristics using 3M 150 tape peak biased @ 1 kHz and recorded 12 dB below tape saturation</b>				
Peak Bias Current, 60 kHz, ma	.42	.42	.55	.38
Bias Voltage, RMS, 60 kHz, volts	30	30	8.0	21
Record Current, microamps	25	25	45	31
1 kHz Output, millivolts	1.6	1.6	—	1.3
10 kHz/ 1 kHz Ratio, dB	-1	-1	—	+1
<b>Average 3.75 IPS constant current record/playback characteristics using 3M 150 tape peak biased @ 1 kHz and recorded 12 dB below tape saturation</b>				
Peak Bias Current, 60 kHz, ma	.34	.34	.50	.30
Bias Voltage, RMS, 60 kHz, volts	25	25	.7	16
Record Current, microamps	22	22	45	30
1 kHz Output, millivolts	1.3	1.3	—	1.0
10 kHz/1 kHz Ratio, dB	-10	-10	—	-9
<b>ELECTRICAL (ERASE SECTION)</b>				
Inductance - 1 kHz, millihenrys	80	10	10	10
Resistance, D.C., ohms	240	35	35	35
Track Width, inches	.062	.062	.062	.062
Gap Length, Double Gap (each), inches	.004	.004	.004	.004
<b>Typical characteristics for 60 dB erasure of a 400 Hz saturated signal on 3M 150 tape</b>				
Erase Voltage @ 60 kHz, volts	120	25	25	25
Erase Current, ma	5	8	8	8
Impedance - 60 kHz, ohms	30,000	3,250	3,250	3,250

## PHYSICAL CONFIGURATION

### NOTES:

Head is shown no mount, however, all standard "B" case mounts are available

INCHES IN BLACK  
MILLIMETERS IN COLOR

### BASIC HEAD CONFIGURATION – NO MOUNT

