

# DESIGN DATA

NORTRONICS  
AUDIO HEADS

## X-WILC Extended Tip R/P Miniature Series .021" SINGLE CHANNEL



ELECTRICAL	MODEL NUMBER		
	X-W1LC 6K	X-W1LC 8R	X-W1LC 7K
Head Function (Typical)	Record/ Playback	Record/ Playback	Record/ Playback
Inductance - 1 kHz, millihenrys	200	10	450
Impedance - 1 kHz, ohms	1310	70	3000
Resistance, D.C. Mono, ohms	360	60	700
Gap Length, microinches	100	500	100
<b>Average 3.75 IPS constant current record/playback characteristics using 3M150 tape peak biased @ 1 kHz and recorded 12 dB below tape saturation</b>			
Peak Bias Current, 60 kHz, ma	.6	2.5	.13
Bias Voltage, RMS, 60 kHz, volts	20	5.0	26
Record Current, microamps	30	150	25
1 kHz Output, millivolts	.50	—	.8
10 kHz/1 kHz Ratio, dB	-11	—	-9

### PHYSICAL CONFIGURATIONS

NOTE:  
INCHES IN BLACK  
MILLIMETERS IN COLOR

### BASIC HEAD CONFIGURATIONS – NO MOUNT

