

DESIGN DATA

NORTRONICS
AUDIO HEADS

X-ZW1LC
Extended Tip Z COMBO®
Erase & R/P
Miniature Series
.021" SINGLE CHANNEL



ELECTRICAL (R/P SECTION)	MODEL NUMBER	
	X-ZW1LC 96K	X-ZW1LC 47K
Head Function (Typical)	Record/ Playback	Record/ Playback
Inductance - 1 kHz, millihenrys	200	400
Resistance, D.C., ohms	415	600
Impedance, 1 kHz, ohms	1600	3000
Gap Length, microinches	100	100
ELECTRICAL (ERASE SECTION)		
Inductance, 1 kHz, millihenrys	8	10
Resistance, D.C., ohms	65	75
Average 3.75 IPS constant current record/playback characteristics using 3M211 tape biased @ 1 kHz and recorded 12 dB below tape saturation, with R/P shunt capacitor of 200 pf. See "Z" combo application notes		
Erase Bias Current, 60 kHz, ma	20	20
Erase Bias Voltage, RMS, 60 kHz, volts	30	44
Record Current, microamps	35	25
1 kHz Output, millivolts	.5	0.7
10 kHz/1 kHz Ratio, dB	-12	-14

PHYSICAL CONFIGURATION

NOTE:
INCHES IN BLACK
MILLIMETERS IN COLOR

BASIC HEAD CONFIGURATIONS – NO MOUNT

